

Ceilings Catalog



EUROCOUSTIC SOLUTIONS

MOVIE THEATERS & CONCERT HALLS



END-TO-END RANGE OF SPECIFIC SOLUTIONS

- ACOUSTIC PANELS
TONGA® - ACOUSTISHED®
- COMPLEMENTARY
INSULATION PRODUCTS
PROTISOL® - EUROLENE®
- ULTRAMATT BLACK QUICK-LOCK®
GRIDS
- PRIMARY CARRIER SYSTEM
- WALL ACCESSORIES



KEY FEATURES



Superior sound
quality



Discreet and stylish
ceilings



Improved viewing
quality for the
audience

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New: Tonga® Ultra Clean HP



WIDE-RANGING PERFORMANCE

Tonga® ceilings, known and recognized by all, include the Tonga® Ultra Clean range, which has been developed for use in environments with stringent hygiene and cleanliness requirements, such as kitchens, public catering areas and laboratories.

Through the work of our Research & Development department, the new **Tonga® Ultra Clean HP ceiling is compatible with six cleaning methods tested by an independent laboratory.** It is ideal for areas requiring **high-pressure cleaning, intensive maintenance and the use of detergents.**

The Tonga® Ultra Clean HP ceiling also provides the end user with enhanced **acoustic comfort ($\alpha_w = 1$) and viewing quality (the light reflection index of the white veil is greater than 84%).**

Rated ISO 4 for the control of airborne particles and **Degree 0** for resistance to mold, the **Tonga® Ultra Clean HP** range offers excellent fire protection performance (fire reaction and fire resistance).

Discover the **new Tonga® Ultra Clean HP range** now (p.68).

Kitchen



Wet rooms



Laboratories



Tonga® Ultra Clean HP: The performance and the choice

+ CLEANLINESS

• Hygienic and easy-to-clean ceilings.

- Six cleaning methods tested by an independent laboratory



Compressed
air



Wet
sponge



Wet sponge
+ detergent



Dry steam
+ dry cloth



Wet steam
+ dry cloth



- **Increased handling resistance** with its high-density stone wool panel and easy-to-clean finish.

+ SAFETY

• FIRE PROTECTION

		TONGA® ULTRA CLEAN	TONGA® ULTRA CLEAN HP
Fire reaction		A1	A2-s1, d0
Fire resistance with QUICK-LOCK® grids		REI 30 ⁽¹⁾ SF 30 ⁽²⁾	REI 30 ⁽¹⁾ SF 30 ⁽²⁾

• AIR CLEANLINESS

		TONGA® ULTRA CLEAN	TONGA® ULTRA CLEAN HP
Control of airborne particles		ISO 4	ISO 4
Resistance to mold		Degree 0 No fungal development	Degree 0* No fungal development
Resistance to humidity		100% flat (no sagging)	100% flat (no sagging)



• COMFORT

		TONGA® ULTRA CLEAN	TONGA® ULTRA CLEAN HP
Acoustics		$\alpha_w = 1$ for A edges and $\alpha_w = 0.90$ for E edges	$\alpha_w = 1$
Light reflection		> 89%	> 84%**

⁽¹⁾ See benchmark test report ⁽²⁾ See classification report * According to Method A. ** White veil reflection

CLOSER LOOK AT THE BOREAL FINISH OF TONGA® ULTRA CLEAN CEILINGS

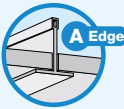

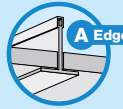





THE BOREAL FINISH: THE PERFECT COMBINATION OF BRIGHTNESS AND CLEANLINESS

- Bright white with an especially high-quality finish.
- The Boreal finish provides Tonga® Ultra Clean ceilings with a smooth and refined appearance.
- The strong light reflection contributes to viewing quality for users and promotes their well-being while reducing energy consumption.
- A surface adapted to cleanliness and hygiene constraints.
- The smooth surface facilitates cleaning, retains less dust and impurities, and is more resistant to dirt.
- The composition ensures that several cleaning methods can be used, such as a wet sponge with or without detergents, compressed air and dry or wet steam.

TONGA® ULTRA CLEAN & ULTRA CLEAN HP

THE CHOICE

	TONGA® ULTRA CLEAN		TONGA® ULTRA CLEAN HP	
				
Dimensions				
Thickness (mm)	22	40	20	22
Modules (mm)	600 x 600 1200 x 600	600 x 600 1200 x 600	600 x 600 1200 x 600 1200 x 1200	600 x 600 1200 x 600
Colors	White	White	White	White
Finishes	 Boreal	 Boreal	 Boreal	Painted edge

- Pot of paint available on request for covering edge cuts.

COLORS, PATTERNS AND FINISHES

Color:
White



Finish:
Boreal



Stay connected with
TONGA® ULTRA CLEAN

WATCH THE
VIDEO ON

 OR





Plafond Designer

Augmented reality is at hand!

Discover "Plafond Designer", the new Eurocoustic application. Visualize your future ceiling project in real time. "Plafond Designer" is available in five languages: English, French, Dutch, Italian and Chinese.



"Plafond Designer", a truly immersive experience, is the first mobile app to bring augmented reality to the world of ceilings, featuring a combination of real, fictitious and virtual elements.

Plan and design your ceiling choosing from a selection of stone wool or metal products.

The principle is extremely simple:

- Take a photo of the area to be tiled and visualized.
- Customize the area in real time with a wide range of product sizes, colors and decorative finishes.
- Receive an email showing the before and after results and containing the necessary technical details and bill of materials.



A real help when making a choice, this application helps you select the ceiling solutions that suit you and helps you to imagine and visualize your projects!



> Available from the App Store



Stone wool: one material, several qualities

When you use stone wool, you get complete peace of mind.

AVAILABLE AND RECYCLABLE

Our ceilings are made from **basalt** (an igneous volcanic stone formed from rapidly cooling lava). Basalt is a **raw material** that can be found in abundance in the natural environment. The stone wool that we use is fully **recyclable**, and the vast majority of our production waste is **recycled**.

HEALTHY

Saint-Gobain Eurocoustic stone wool is made from non-classified fibers and is certified by EUCEB (European Certification Board for Mineral Wool Products - www.euceb.org). Products are made with fibers conforming to Note Q of EU Directive 97/69/EC and EC Regulation 1272/2008. EUCEB warrants that exoneration tests have been carried out in accordance with EU protocols, that manufacturers have implemented control procedures during their production processes and that third parties check and approve the results.



THERMAL INSULATOR

Good thermal insulation helps maintain a **steady temperature** inside buildings, irrespective of the outside temperature. Not only is it necessary, but it also helps **improve the quality of life** for occupants and **reduce energy use**, thereby protecting the environment. Stone wool is an inherently **excellent thermal insulator** with a thermal conductivity value between 0.033 and 0.040 watts per meter-kelvin (W/m.K). Stone wool is used in buildings with the highest thermal performance.

Our Acoustished® A 40 and A 80, Acoustished® CV A 40 and A 80, and Tonga® Therm A80 ranges are certified by ACERMI (French certification organization for insulation materials). Certification guarantees the thermal performance of our products by providing reliable and verified information. It meets current French thermal regulation requirements (RT 2012), thereby ensuring that our clients are entitled to tax deductions on their thermal insulation expenditure. For more information, refer to our data sheets. Our ACERMI certificates are also available at www.acermi.com/isolants-certifies/.



ACOUSTICS

Stone wool's structure helps reduce unwanted noise, especially airborne noise (see p.16-21).

STABILITY IN HUMID ENVIRONMENTS

The stone wool produced by Eurocoustic is naturally **non-hydrophilic**, meaning that it is resistant to water and humidity. Stone wool does not absorb water and remains perfectly flat and stable in humid environments.

SAFE

Eurocoustic stone wool boasts one of the **highest performance levels** in terms of passive fire protection: it does not fuel the fire or spread the flames. Its properties mean that it is a **non-combustible material** with the ability to withstand temperatures in excess of 1,000°C **without generating any toxic fumes**. Stone wool is particularly used in buildings to improve fire protection performance.

Saint-Gobain Eurocoustic: a responsible company

CERTIFICATIONS

ISO 9001: 2008 "Quality Management Systems" certification

Saint-Gobain Eurocoustic provides products that meet applicable statutory and regulatory requirements. The standard on quality management systems aims to enhance customer satisfaction through the effective application of the system, including the assurance of consistently providing conforming products.



ISO 14001: 2004 "Environmental Management Systems" certification

This certification bears testament to the company's determination to set up an organization that continually reduces the environmental impacts of its activities, products and services. In addition to complying with statutory and environmental requirements, our actions are mainly focused on managing our waste (reducing the amount, recovery and recycling) and minimizing our energy use.

Our results achieved in recent years can be illustrated as follows:

- Energy consumption/ton reduced by 30%
- Water consumption reduced by 40%
- Quantity of waste reduced by 50%

ISO 50001: 2011 "Energy Management Systems" certification

Saint-Gobain Eurocoustic is committed to meeting a specific set of requirements for designing, implementing, maintaining and improving our energy management system. We use a methodological approach to help our customers improve their energy performance, which includes energy efficiency, use and consumption.



Saint-Gobain Eurocoustic is a founding member of the FIPS (Federation of Modular Ceiling Manufacturers).

CE MARKING

The CE marking was introduced for suspended ceilings in Europe on July 1, 2007 and represents:

- A passport for their free circulation within the European Union.
- A commitment to comply with the requirements and test methods specified in the EN 13964 standard on suspended ceilings.

Since July 1, 2013, construction products in Europe that are covered by a harmonized standard or conform to their European technical assessment must be accompanied by a declaration of performance (DoP). **The DoPs for Saint-Gobain Eurocoustic products can be downloaded from the "Learning Center" section on our website at www.eurocoustic.com**, and their number is specified on all product data sheets and packaging.

► All Eurocoustic stone wool ceilings are manufactured at our site in Genouillac, France.



PRODUCT LIFECYCLE ASSESSMENT

The product lifecycle assessment aims to assess the impacts that a product will have on natural resources and the environment throughout its lifecycle.

All steps in the product lifecycle are taken into consideration, from the extraction of natural resources to the end of life and the reuse of the waste it produces.

In accordance with the ISO 14040 series of standards, we have analyzed the health and safety impact of our products using the lifecycle assessment methodology.

The results for each of our products are published in Environmental & Health Product Declarations (EHPDs), which are established according to EN 15804. They can be downloaded from the www.inies.fr database.

As an insulator, Saint-Gobain Eurocoustic stone wool can save more energy than is used during its manufacture, transportation and disposal. This leads to a significant reduction in CO₂ emissions, which account for 82% of all greenhouse gas emissions.

Saint-Gobain Eurocoustic is a member of "Isolons la terre contre le CO₂", an association that actively campaigns to reduce CO₂ emissions.

www.isolonslaterre.org



NF HQE™: High Environmental Quality

Saint-Gobain Eurocoustic's Tonga® ceilings contribute towards 7 of the 14 targets set out in the NFHQE™ assessment and especially:

GREEN CONSTRUCTION TARGETS

TARGET 2: The integrated choice of construction products, systems and processes

Eurocoustic ceilings can easily be removed.

TARGET 3: Low-pollution sites

Eurocoustic tiles can easily be cut without generating any noise or dust.

GREEN MANAGEMENT TARGETS

TARGET 7: Servicing and maintenance

Eurocoustic ceilings require very little maintenance.

COMFORT TARGETS

TARGET 9: Acoustic comfort

The Eurocoustic range contributes towards acoustic correction (intelligible speech, sound quality and listening comfort).

TARGET 10: Viewing quality

Eurocoustic ceilings improve natural lighting conditions, which consequently strengthens color perception and produces a beneficial effect on users' health.

HEALTH TARGETS

TARGET 12: Health quality

Eurocoustic stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009).

TARGET 13: Air quality

Some of the products in the Eurocoustic ceiling range offer Class A+ performance in terms of indoor air quality (see the product data sheets).



➤ Environmental & Health Product Declarations are available at www.inies.fr

IAQ: Indoor Air Quality, a major challenge

What could be more important than the air that we breathe?

TOWARDS HEALTHIER AIR QUALITY

We spend the majority of our time inside buildings.

The air that we breathe has a direct impact on the **quality of life and health of the people in those buildings**, especially vulnerable groups such as children and the elderly.

Healthy air prevents the development of chronic diseases.

In France, new decoration and construction products must be accompanied by a clear and legible label specifying their volatile organic compound (VOC) emissions in an effort to improve indoor air quality.

The level of emissions from such products is indicated by a class, ranging from A+ (very low) to C (high), based on the same principle already used for household appliances and vehicles.



Eurocoustic products are labeled in accordance with the indoor air quality requirements stipulated in the French Regulation of

March 23, 2011, and the Regulation of April 19, 2011, as amended by the Regulation of February 20, 2012.

Emission tests are performed according to ISO 16000-9 (Emission test chamber method), ISO 16000-3 (Determination of formaldehyde) and ISO 16000-6 (Determination of volatile organic compounds).

In response to the requirements of EN 13964 - Annex E, Eurocoustic ceilings are tested according to EN 717-1 & 2. They obtained the E1 ranking (the best class for formaldehyde releases).

The Acoustished® CV range obtained the Excell hygiene hallmark for its superior indoor air quality. This assessment scheme not only checks VOC (volatile organic compounds) emissions, but also other pollutants (pesticides, phthalates, Bisphenol A, etc.) in order to anticipate future regulations.

The Acoustished® CV range can therefore be used in rooms with stringent hygiene requirements, such as food processing facilities and wineries.



Acoustics: a science that promotes wellbeing

A good balance between acoustic absorption and lateral sound insulation has significant benefits when it comes to confidentiality, intelligibility and sound quality. The Eurocoustic range always offers a solution adapted to your situation, based on your needs and the space in question.

SOUND

Acoustics is the **science of sound, including its generation, propagation and reception**. By extension, acoustics also refers to all the techniques aimed at improving the quality of sound diffusion in every room.

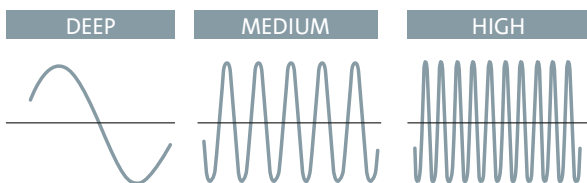
Sound is a vibration that is characterized by its frequency (low or high) **and pressure level** (strong or weak).

FREQUENCY

Frequency is expressed in Hertz (Hz) and denotes the number of vibrations per second. **It can be used to distinguish between low, medium and high-pitched sounds.**

The human ear is capable of detecting sound at frequencies between 20 and 20,000 Hz.








Frequency expresses the number of vibrations per second.



SOUND PRESSURE LEVEL (DECIBEL dB)

The decibel is a logarithmic measure of the sound pressure level.

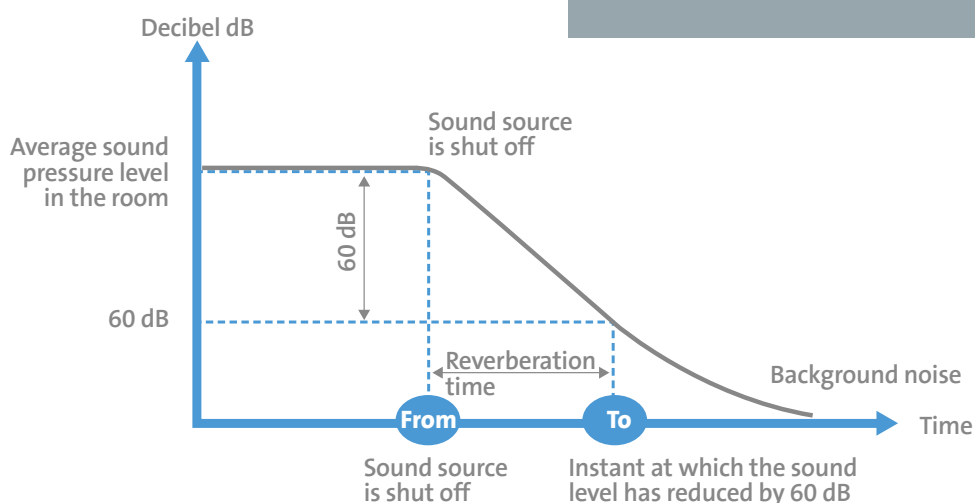
1 radio	60 dB
2 radios	63 dB
4 radios	66 dB
10,000 radios	100 dB

Type of noise	dB	Subjective impression
	120	Pain threshold
	100	Very painful
	90	Troublesome
	70	Normal
	50	Quiet
	30	Very quiet
	0	Perception threshold

REVERBERATION TIME

Reverberation time is a physical criterion that defines a room's acoustic quality. It refers to the length of time required for a sound to drop by 60 dB from its initial level. It is influenced by several factors, including the size and shape of the room, and the quantity, quality and size of the acoustic absorption materials used.

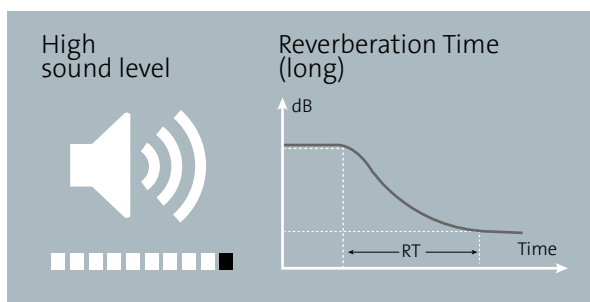
- One of the characteristics of a room's acoustic behavior is its reverberation time, which is expressed in seconds and depends on the size and layout of the room. It can be changed by using sound-absorbent materials and/or elements.
- If uncontrolled, a high reverberation time can produce the cocktail party effect and reduce sound quality, especially in such venues as concert halls.



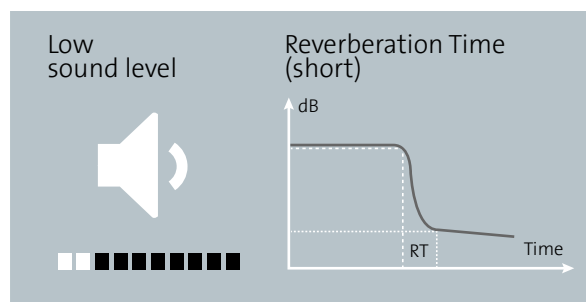
IMPROVING COMFORT WITH ACOUSTIC CORRECTION

Acoustic correction is designed to ensure that the acoustic quality of a room is suitable for its intended purpose. It can be used to improve the sound quality of a room (such as a classroom or conference hall) for superior comfort or reduce the sound level of a noisy room to make it more tolerable.

➤ Without acoustic correction



➤ With acoustic correction

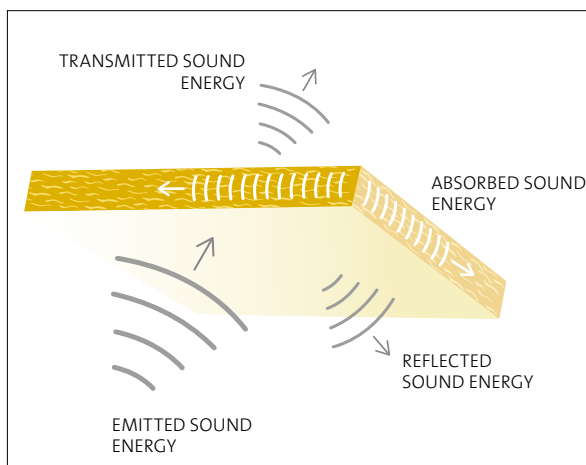


Acoustic comfort: balancing absorption and insulation

Depending on their intended purpose, not all rooms have the same acoustic correction requirements. Whether a concert hall, classroom, open-plan office, individual office, hotel room or hospital room, the ideal acoustic comfort for users depends on the required benefits, such as superlative sound quality, a lower sound level in a noisy room or soundproofed rooms.

THE ACOUSTIC ABSORPTION PRINCIPLE

The Eurocoustic range of suspended ceilings absorbs sound, which helps reduce resonance, control the room's sound quality and improve acoustic comfort for occupants.

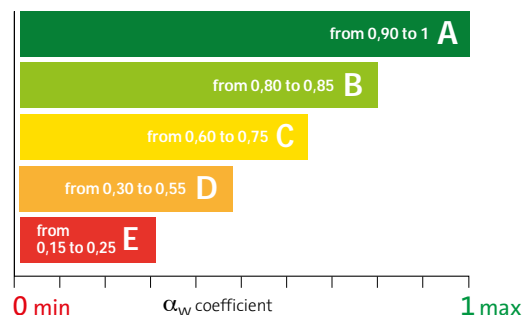


The sound energy hitting a surface is split into transmitted energy, reflected energy and absorbed energy. The proportions of absorbed and reflected energy can be influenced based on the nature of the surface.

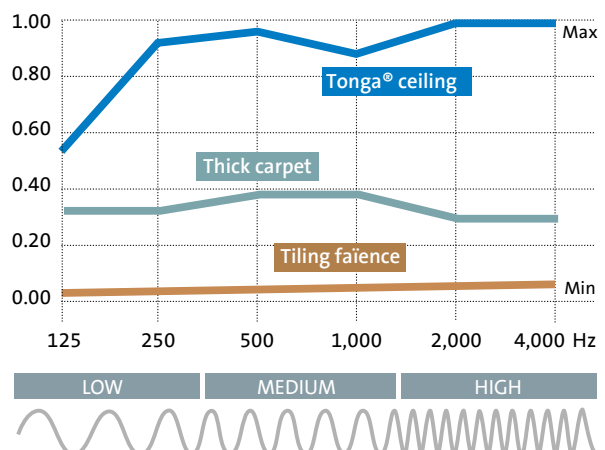
A HIGH ABSORPTION COEFFICIENT ...

The higher a material's absorption coefficient (close to 1), the greater its contribution to the room's acoustic comfort.

ACOUSTIC ABSORPTION CLASS



α_w = Unique value characterizing a material's acoustic absorption performance at frequencies from 125 to 4,000 Hz for 1 m².
If $\alpha_w = 0$ The material reflects all the energy that it receives.



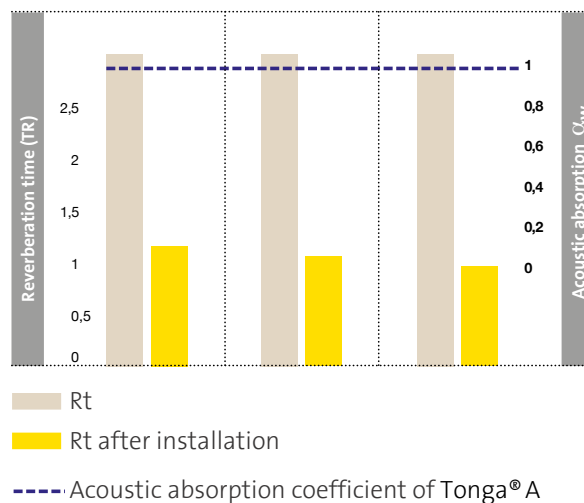
... HELPS CONTROL REVERBERATION

Reverberation time is a physical criterion that defines a room's acoustic quality.

The longer the reverberation time, the more troublesome the echo and the noisier the room. Using materials with high acoustic absorption levels reduces and controls the reverberation time.

■ EXAMPLE:

Calculation of reverberation time before and after the installation of a Tonga® A ceiling, room volume: 270 m³



... AND IMPROVE COMFORT

Acoustic comfort criteria	Absorption level	α_w	Class
Maximum acoustic comfort, reduction in sound level, optimal reverberation, sound quality	Maximum absorption	1	A
Effective acoustic comfort, controlled reverberation, intelligible speech	Reinforced absorption	0.9 to 0.95	
Adapted acoustic comfort, limited reverberation	High absorption	0.8 to 0.85	B



LATERAL SOUND INSULATION

DEFINITION

Lateral sound insulation is the acoustic insulation between two adjacent rooms. A modular suspended ceiling can be used to achieve this type of acoustic insulation.

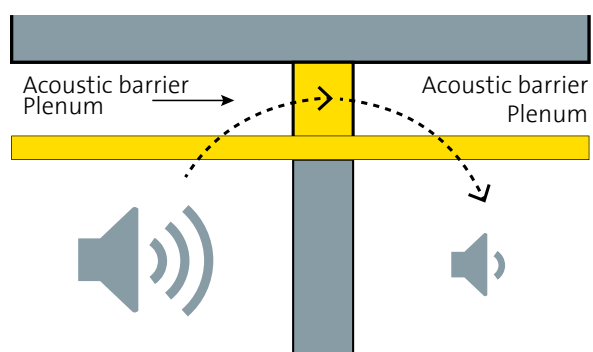
The lateral sound insulation performance of a ceiling is denoted by means of a unique index: $D_{n,f,w}$, which is measured in the laboratory and expressed in dB.

The higher a ceiling's $D_{n,f,w}$, the greater the acoustic insulation between the two rooms, which equates to higher comfort and privacy.

The following conditions must be satisfied for effective lateral sound insulation:

- The interfaces between the partition and the floor / ceiling must be airtight, such as by fitting an Acoustipan® acoustic barrier in the plenum. Using an Acoustipan® acoustic barrier in the plenum directly above the partitions can considerably reduce lateral transmissions through the ceiling: for a ceiling comprising Tonga® 40 mm tiles, $D_{n,c,w}$ (C; Ctr) = 28 (-2; -6) dB, and for a ceiling comprising Tonga® 40 mm tiles with Acoustipan®, $D_{n,c,w}$ (C; Ctr) = 39 (-2; -7) dB.
- There are no accessories in the ceiling that are likely to degrade its performance, such as light fittings and air conditioning vents.

Reference values	
35 to 40 dB	Conversations can be heard but are difficult to understand
40 to 45 dB	Conversations can be heard but cannot be understood
45 to 50 dB	Conversations are inaudible



Selection guide: acoustic performance

PRODUCTS	Panel thickness (mm)	Edge details, perforations	α_w	Class	α_p or A_{eq} by frequency (Hz)						Plenum height (mm)
					125	250	500	1000	2000	4000	
Economical and efficient											
Minerval®	12	A edge	0.90	A	0.20	0.60	0.95	1.00	0.90	1.00	100
	15	A edge	0.95	A	0.40	0.85	0.95	0.85	0.95	1.00	200
		E edge	0.95	A	0.50	0.85	0.95	0.85	0.95	1.00	200
Better, safer, easier											
Tonga®	20	E edge	0.95	A	0.55	0.80	0.90	0.90	1.00	1.00	200
	22	A edge	1.00	A	0.55	0.90	1.00	0.95	1.00	1.00	200
	40	A edge	1.00	A	0.45	0.90	1.00	1.00	1.00	1.00	200
Tonga® Therm	77	A edge	1.00	A	0.70	0.95	1.00	1.05	1.10	1.10	200
Tonga® Ultra Clean	20	E edge	0.90	A	0.50	0.75	0.85	0.85	1.00	1.00	200
	22	A edge	1.00	A	0.45	0.80	0.90	0.85	1.00	1.00	200
	40	A edge	1.00	A	0.50	0.85	1.00	1.00	1.00	1.00	200
Tonga® Ultra Clean HP	22	A edge	0.95	A	0.55	0.90	0.95	0.90	1.05	1.10	200
Area®	15	A edge	0.90	A	0.40	0.80	0.85	0.85	1.00	1.00	200
Ermes®	15	E edge	0.90	A	0.40	0.80	0.90	0.85	1.00	1.00	200
Specific solutions											
Health											
Clini'Safe®	15	A edge	0.90	A	0.40	0.80	0.85	0.85	1.00	1.00	200
	15	E edge	0.90	A	0.40	0.80	0.90	0.85	1.00	1.00	200
Impact resistance											
Acoustichoc®	22	A edge	1.00	A	0.50	0.85	0.95	0.90	1.00	1.05	200
	40	A edge	1.00	A	0.55	0.85	0.95	1.00	1.00	1.00	200
Islands & Baffles											
Eurobaffle® 1200 x 600	44	A edge	-	-	0.50	0.40	0.50	1.10	1.10	1.20	-
Eurobaffle® 1200 x 300	44	A edge	-	-	0.20	0.40	0.60	0.65	0.60	0.55	-
Eurobaffle® 1200 x 600	80	A edge	-	-	0.40	0.45	0.85	1.00	0.95	0.95	-
Sound insulation											
Alizé®	40	A edge	0.55	D	0.50	0.45	0.45	0.60	0.55	0.50	200
	80	A edge	0.60	C	0.50	0.60	0.60	0.60	0.55	0.55	200
Large rooms / warm roofs											
Acoustished®	38	A edge	1.00	A	0.60	0.95	1.00	1.00	1.10	1.10	200
	77	A edge	1.00	A	0.70	0.95	1.00	1.05	1.10	1.10	200
Large rooms / cold roofs											
Acoustished® CV	40	A edge	0.55	D	0.50	0.45	0.45	0.60	0.55	0.50	200
	80	A edge	0.60	C	0.50	0.60	0.60	0.60	0.55	0.50	200
Wall panels											
Acoustiroc®	40	Constellation Perforation	0.80 MH	B	0.15	0.45	0.90	1.00	1.00	1.00	0
	40	Orion Perforation	0.85 MH	B	0.15	0.45	0.90	1.00	0.95	0.95	0
Complementary products											
Protisol®	30	A edge	0.65 MH	C	0.10	0.35	0.80	1.00	1.05	1.10	0
	50 (50 kg/m³)	A edge	0.95	A	0.20	0.65	1.00	1.00	0.95	0.95	0
	50 (70 kg/m³)	A edge	1.00	A	0.25	0.75	1.05	1.10	1.10	1.15	0
Eurobac®	30	A edge	1.00	A	0.40	0.90	1.00	1.00	1.00	1.00	200

α_p : by octave

A_{eq} : equivalent absorption area (m²)

Fire reaction

Fire reaction: a key criteria to guarantee the safety of occupants

EUROCLASS: EU FIRE SAFETY CLASSES

The CE marking for suspended ceilings defines a new classification for fire reaction in accordance with NF EN 13501-1: Euroclass standard.

According to the French Regulation of November 21, 2002, on the fire reaction performance of construction products and interior fittings, the following table specifies the permissible Euroclasses (determined according to EN 13501-1) in relation to the M categories defined in the fire safety regulations.

The following table specifies the different fire reaction Euroclasses from A to F:

Eurocoustic ceilings offer the highest fire reaction performance: **A1** or **A2**, depending on the finish.

A product's fire reaction classifies its contribution to a fire.

The classification is divided into three parts:

1. Fire growth

Defines whether or not a material contributes to the spread of the fire through its combustibility (**A** = non-combustible and **F** = highly combustible).

A B C D E F →

2. Smoke development (s)

(**s1** = no smoke and **s3** = heavy smoke generation).

s1 s2 s3 →

3. Burning droplets (d): d0 means that there are no droplets during a fire, while **d2** means a large number of droplets.

d0 d1 d2 →

Classes according to EN 13501-1	Euroclass		Requirements
No contribution, even in a fully developed fire. Should automatically satisfy lower classes.	A1	-	non-combustible
Class B+: low contribution to fire spread and growth in case of a highly developed fire.	A2	s1	d0
		s2	d1 ⁽¹⁾
Same as C, but with stricter criteria.	B	s3	d0
		s1	d1 ⁽¹⁾
Same as D, but with stricter criteria.	C	s2	d0
		s3	d1 ⁽¹⁾
		s1 ^(2,3)	d0
Withstands a small flame for a longer period. Capable of withstanding the thermal attack from an insulated burning object with slow and limited heat emission.	D	s2	d1 ⁽¹⁾
		s3	d0
		s1 ⁽²⁾	d1 ⁽¹⁾
All classes other than ⁽²⁾ E-d2 and F			M4

► Smoke development ► Burning droplets

(1) Performance level d1 is only accepted for products that are not hot melt under test conditions.

(2) Performance level s1 obviates the need to provide the information specified by the amended French Regulation of November 4, 1975, relating to the use of certain materials and products in public-access buildings and the associated Instruction of December 1, 1976.

(3) Permitted for M1 if non-substantial according to the definition in Annex 1.

ECONOMICAL AND EFFICIENT

Minerval®	A1
-----------	----

BETTER, SAFER, EASIER

Tonga®	A1 (white) - A2-s1, d0 (colors and patterns)
--------	--

Tonga® Therm	A1 (white) - A2-s1, d0 (colors and patterns)
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Tonga® Ultra Clean	A1
--------------------	----

Tonga® Ultra Clean HP	A2-s1, d0
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Area®	A1
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Ermes®	A1
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SPECIFIC SOLUTIONS**Health**

Clini'Safe®	A1
-------------	----

Impact resistance

Acoustichoc®	A1 (colors) - A2-s1, d0 (white)
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Islands & Baffles

Insula®	According to filling panel
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Eurobaffle®	According to filling panel
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Sound insulation

Alizé®	A1
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Acoustipan®	A2-s1, d0
-------------	-----------

Large rooms / warm roofs

Acoustished®	A1 (white) - A2-s1, d0 (colors)
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Large rooms / cold roofs

Acoustished® CV	A1
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Wall panels

Acoustiroc®	M1
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Complementary products

Eurolene®	A1
-----------	----

Protisol®	A1
-----------	----

Eurobac®	A1
----------	----

Fire resistance

The fire resistance rating defines the time during which construction elements can perform their intended function despite the action of a fire.

FIRE RESISTANCE

Fire regulations: Eurocoustic ceilings satisfy the requirements of Section CO13 in the French fire regulations (June 25, 1980) for public-access buildings and meet the conditions of the second paragraph in Section CO12 (§1) (see below).

The French Regulation of March 22, 2004, on the fire resistance of structural and construction elements and products (Ministry of the Interior) specifies the use of the new European classifications in French fire regulations.

FS: Fire Stability - Tensile strength. Structural and construction elements and products, whose classification contains the symbol R (expressed in minutes), may be used when fire stability performance is required.

French regulatory requirements	Accepted European classes
FS	R
FR	E* or RE if load-bearing
FB	EI* or REI if load-bearing

* with equivalences for degrees in minutes, hours and fractions of an hour

FR: flame resistance - Impermeability to flames and hot gases and, if applicable, tensile strength. Structural and construction elements and products, whose classification contains the symbol R or RE (expressed in minutes), may be used when flame resistance performance is required.

FB: Fire break - Impermeability to flames and hot gases, thermal insulation and, if applicable, tensile strength. Structural and construction elements and products, whose classification contains the symbol E and I or RE and I (expressed in minutes), may be used when fire break performance is required. Fire resistance reports produced before April 1, 2004, according to the French Fire Resistance Regulation of August 1999, are valid for seven years.

Fire-resistant Eurocoustic ceilings	
Quantity lm / m ²	Module 600 x 600 Runner center spacing of 1200 mm
Main runner	0.84
Cross tee 1200 mm	1.67
Cross tee 600 mm	0.84
U hangers / m ² every 900 mm or U hangers / m ² every 1200 mm	1 or 0.7
Clips	5.6

LEGISLATION

SECTION CO 13 - 3

of the French Regulation of June 25, 1980, as amended and supplemented, on fire safety in public-access buildings.

General regulations

Special cases for fire resistance of specific structural elements.

The fire stability rating for the main structural elements of a roof may be only 30 minutes if the following conditions are met:

- The venue occupies the last level of the building or is located on the ground floor.
- The roof space is not accessible to the public.
- The collapse of the roof does not threaten to cause the collapse of the rest of the building structure.

However, such elements are not subject to any fire stability requirements when all of the following requirements are satisfied:

- The conditions set forth in the paragraph above are met.
- The materials used are non-combustible, made from solid glue laminated timber or materials considered to be equivalent by CECMI (fire risk assessment board for construction materials).
- The roof structure can be seen from the floor of the room occupying the last level or is monitored by an automatic detection system or protected by a water-based automatic fire suppression system conforming to French standards or isolated by a protective barrier offering 30-minute fire stability performance and which satisfies the conditions of the

second paragraph of Section CO 12 - 1.

SECTION CO 12 - 1

- Suspended ceilings can be taken into account when calculating the fire resistance of the upper adjoining floors where all the following conditions are met:
- They define plenums with an average heat potential less than 25 MJ/m² per unit area, subdivided according to the provisions of Section CO 26; electrical ducts are not includ-

ed in the calculation.

- It can be assured that their constituent components perform as intended during a fire. This requirement must be checked against the conditions of Exhibit II of the Regulation of April 21, 1983, on the determination of fire resistance for construction elements.
- When a post and its assemblies require protection to ensure fire resistance, such protection must also be provided in the penetration into the plenum.

Products	Thickness (mm)	Module dimensions (mm)	Insulation	REI ⁽¹⁾			QUICK-LOCK® grid T 24 mm	Runner center spacing	Hanger center spacing	Minimum plenum height
				Timber	Concrete	Steel				
Tonga® E, Tonga® Ultra Clean E	20	600 x 600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
			160 mm Eurolene® 603 + 200 mm of insulation ⁽²⁾	30	30	30				
Tonga® A, Tonga® Ultra Clean A, Tonga® Ultra Clean HP A, Acoustichoc®	22	600 x 600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
			160 mm Eurolene® 603 + 200 mm of insulation ⁽²⁾	30	30	30				
Tonga® A, Tonga® Ultra Clean A, Alizé®, Acoustished® CV, Acoustichoc®	40	600 x 600	/	20	30	30	HOOK-ON CLIP-ON	1200 mm	1200 mm	300 mm
			160 mm Eurolene® 603	30	30	30			900 mm	
			160 mm Eurolene® 603 + 200 mm of insulation ⁽²⁾	30	30	30				

⁽¹⁾ For details of the materials constituting the beams, joists and the supporting floor and their classification, refer to the benchmark reports

⁽²⁾ Bare insulation or with an aluminum vapor barrier

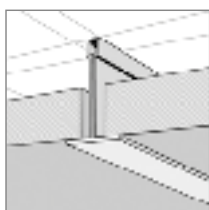
Note: Installation must conform to the requirements of the report, Section 6.10 of the NF P 68-203-1 and 2 standards, and the DTU 58.1 code of practice of December 2008.

Not dismountable from the ceiling. Height of the plenum ≥ height of the test sample. The thermal insulation must be identical to the test sample.

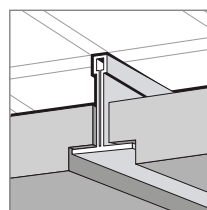
The esthetic choice

CEILING PANELS

Edges



Classic grid
Straight A edge
T15 / T24 / T35 mm



Semi concealed grid
Rebated E edge
T15 / T15 hollow joints
T24 mm

Decorative surfacing

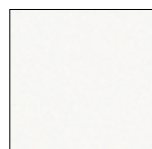
Whites



White



White Aurore 082



White 09



Boreal finish

Our acoustic ceilings with Boreal finish are coated with a white acrylic paint on the decorative surface and the edges. The rear is reinforced with a glass fiber veil.

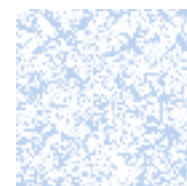
Eurocolors



Patterns



Ecume



Nuagé



Atoll®



Coral®

SPECIAL SURFACES

Reinforced surfacing

Acoustichoc® range



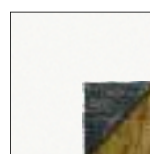
White Beige Blue Gray



Yellow Green Black

The veil offering resistance to airflow and water vapor

Acoustished® CV range

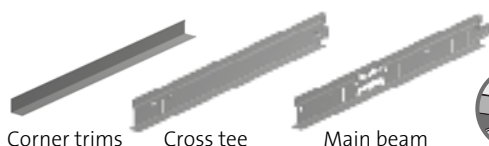


White 94

Complex of glass fiber and aluminum sheet

QUICK-LOCK® GRIDS

Find our **QUICK-LOCK®** GRIDS AND ACCESSORIES CATALOG at www.eurocoustic.com



Corner trims Cross tee Main beam



Standard white



Gray 9006



Black 9005



Ultramatt black

New

New **QUICK-LOCK®** COLORS service (see p.57)



WALL PANELS

Decorative surfacing

Acoustished® range



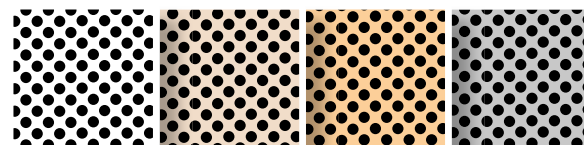
White 09 EC02 EuroTournesol EC07 EuroPomme EC16 EuroAzur



EC27 EuroBruyère EC28 EuroFraise EC43 EuroNoir EC45 EuroPerle

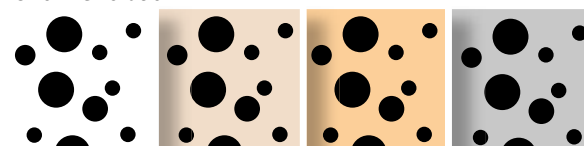
Metal

Constellation Perforation



White Light ivory Peach Gray

Orion Perforation



White Light ivory Peach Gray

The esthetic choice



600 x 1720 mm module

A large range of sizes



600 x 600 mm module



600 x 1200 mm module



600 x 1500 mm module



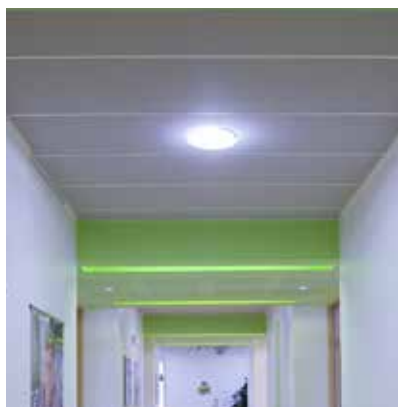
600 x 1720 mm module



600 x 1800 mm module



600 x 2000 mm module



600 x 2400 mm module



1200 x 1200 mm module



1000 x 1500 mm module

The aesthetic choice





A ceiling to suit every need

A suspended ceiling must fulfil different requirements based on its surroundings. Acoustic absorption, ease of maintenance, fire protection, resistance to humidity and bacteria, choice of colors – each aspect must meet the specific needs of the room in question. There is a stylish high-quality Eurocoustic ceiling to suit every type of room.

Education

Learning is all about listening and remembering...

- Good acoustic correction promotes intelligible speech while reducing the reverberation time (e.g. between 0.4 and 0.8 seconds for classrooms), which helps children concentrate and learn.
- **In France, acoustic correction in schools is governed by the Noise Control Regulation of April 25, 2003.**



Safety first...

Excellent fire protection must be a top priority to guarantee users' safety.

In a pleasant environment designed for learning

In what is a typically noisy environment, the use of blues and grays can influence users' behavior by inspiring a sense of comfort and calm. Touches of complementary dynamic colors can breathe extra life into the room.



Brighter colors can be paired with neutral tones to create livelier spaces, decorate high-traffic areas and stimulate the senses of the youngest children in play areas.



Floral colors can be used for dining areas.





Health

Rest and wellbeing

- Good acoustic correction can help keep the noise down: according to the WHO (World Health Organization), the noise level in a patient's room should be less than 35 dB.
- Privacy and confidentiality are part of the good care that patients should receive in a health establishment. Good acoustic correction minimizes the transmission of sound from one room to another.
- **In France, acoustic correction in healthcare facilities is governed by the Noise Control Regulation of April 25, 2003.**

Safety first...

Excellent fire protection must be a top priority in health-care facilities to guarantee people's safety. Staff and patients alike are entitled to a healthy environment. The products in the Eurocoustic health range meet the three criteria in the French Health Standard NF S90-351 (Zones 2, 3 and 4).

In an appropriate and relaxing environment

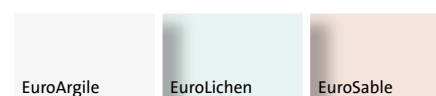
Energizing and welcoming colors are suited to reception areas and corridors. They can also serve as a visual reference point, particularly in nursing homes.



Soft colors are ideal for medical centers, since they produce a calming and appeasing effect.



Whites and off-whites are best at reflecting natural and artificial light, meaning that they are especially suited to areas such as laboratories, which need to be bright and light to ensure the best working conditions.



Pale and soothing shades offer an excellent alternative to white colors in waiting rooms for easing stress and tension in patients.



A ceiling to suit every need

Office

The best workplace is where you can hear and make your voice heard

- Good acoustic correction reduces the level of noise and avoids the annoying and stressful cocktail party effect. It should also improve intelligible speech while reducing the reverberation time (between 0.5 and 1 second).
- Sound insulation solutions should be fitted according to the degree of privacy required.
- **NF S31-080 standard, January 2006 - Offices and associated areas - acoustic performance levels and criteria by type of area.**

Safety first...

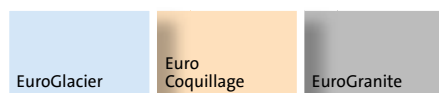
Excellent fire protection must be a top priority to guarantee users' safety.

In a workplace promoting interaction and productivity

Vivid colors are ideally suited to corridors and passageways, because they procure a sense of wellbeing and good cheer. Since they catch people's attention, they can be used to guide occupants, highlight openings and give specific areas greater appeal.



Choosing a single color can enhance an individual workspace. Warm or dark colors create an intimate atmosphere, while cold or light colors open up new perspectives.



A monochrome design brings harmony to collective areas and elicits a sense of calm and comfort for occupants.



Neutral colors interspersed with vivid highlights are the perfect solution for unfurnished office floors by procuring a feeling of relaxation.



Warm colors help drive the brainstorming process and encourage teamwork. They are especially suited to meeting rooms.



Natural colors create a sense of peace and tranquility amidst the sometimes stressful and noisy atmosphere of an open-plan office.





Retail

Audible conversations for improved sales

- Good acoustic correction can be adapted to suit the venue's intended purpose (nightclub, hotel, restaurant, etc.), while ensuring intelligible conversations and crystal-clear sound. It should give users a sense of calm and comfort.
- **In France, acoustic correction in hotels is governed by the Noise Control Regulation of April 25, 2003.**

Safety first...

Excellent fire protection must be a top priority to guarantee users' safety.

In comfortable venues conveying the brand's image

The choice of colors reflects the brand's identity and plays an important role in allowing consumers to identify the brand. The broad array of colors in the Eurocolors range offers a host of design choices to suit every brand identity.



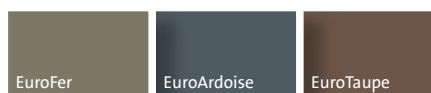
Vivid colors highlight key areas in certain retail surfaces and catch the consumer's eye. They are the perfect solution for supermarkets looking to separate specific product sections.



The contrast between the warm, cold, light and dark colors elicits a feeling of excitement and creates a cozy atmosphere in bars and restaurants. More traditional combinations with complementary colors can also be used.



The harmonious use of warm colors brings a cheerful and dynamic touch to collective dining areas, while cold tones lend themselves perfectly to areas with an intimate, calming ambience.



A ceiling to suit **every** need

Industry

Low-noise environments for greater productivity...

- Effective acoustic correction should create the right working conditions, irrespective of the layout and the noise generated by the machinery.

Safety first...

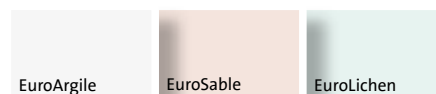
Excellent fire protection must be a top priority to guarantee users' safety.

Large spaces offering high comfort and functionality

Blues inspire confidence and are reminiscent of the sky. They will bring a lively feel as well as the necessary light for industrial buildings, such as warehouses and large spaces.



Light colors procure a sensation of calm while improving concentration.





Culture & leisure

Crystal-clear sound for an enhanced experience

- Effective acoustic correction should improve the quality of the voices and sounds heard by the audience in such places as movie theaters and concert halls. The acoustics must be designed to reduce the sound level and lower the reverberation time, so that users can focus on their chosen sports without unwanted distractions.
- In France, acoustic correction in sports and leisure facilities is governed by the Noise Control Regulation of 25 April 2003.

Safety first...

Excellent fire protection must be a top priority to guarantee users' safety.

Comfortable venues fit for their intended purpose

Vivid, warm colors can be combined with the parquet flooring typically found in dance halls to create the ideal conditions for users to fully express their artistic side.



Red and black are the favorite two colors for movie halls and theaters. Mixing mysterious black with energizing red helps create an intimate atmosphere that provides a more immersive experience for the audience. Using earthy colors can also produce a subdued ambience.



Combining vivid colors with water-related tones gives the room a clean and fresh feel.

These colors are ideally suited to sanitary accommodations and cloakrooms.

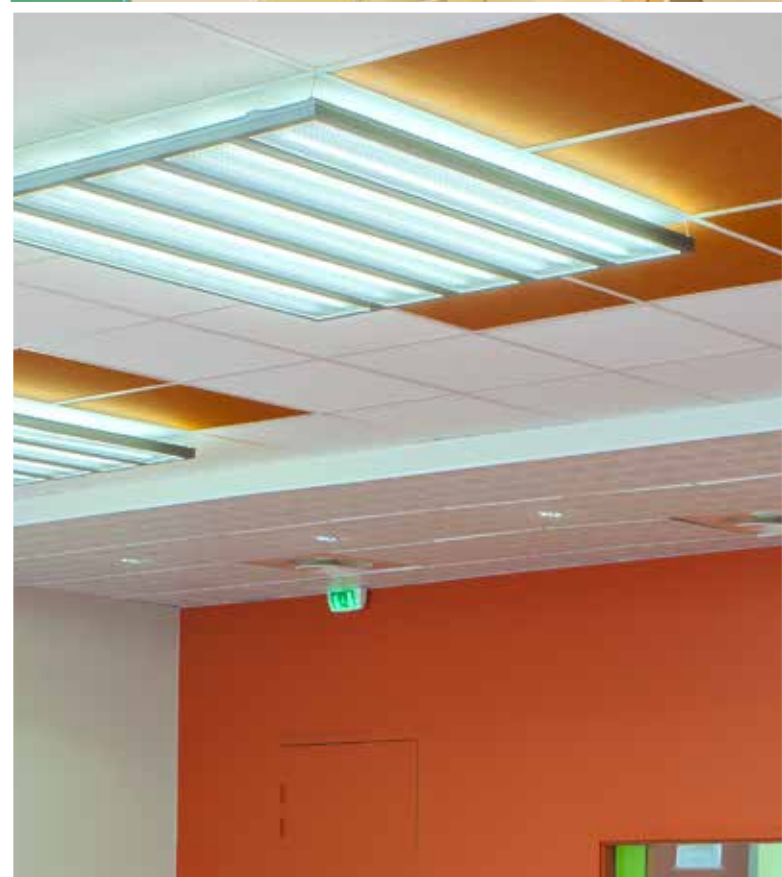


Bluish greens elicit images of water. They bring peace and tranquility while inspiring a sense of escape, meaning that they are a match made in heaven for pools and ice rinks.



A ceiling to suit **every** need





A ceiling to suit every need

EUROCOUSTIC SOLUTIONS BY ROOM TYPE

	OFFICE						RETAIL				
	Individual office	Open space	Shared office	Unfurnished space	Meeting room	Corridors	Collective dining space	Kitchen	Shop	Supermarket	Bar, restaurant
Economical and efficient											
Minerval°	●	●	●	●	●	●	●		●	●	●
Better, safer, easier											
Tonga°	●	●	●	●	●	●	●		●	●	●
Tonga° Therm		●	●		●		●				●
Tonga° Ultra Clean		●				●	●	●			●
Tonga° Ultra Clean HP								●			
Area°	●								●		
Ermes°		●	●	●	●				●		●
Specific solutions											
HEALTH											
Clini'Safe°											
IMPACT RESISTANCE											
Acoustichoc°											
Acoustichoc° Impact 15											
Acoustichoc° Impact 30											
ISLANDS & BAFFLES											
Insula°		●	●				●		●	●	●
Eurobaffle°							●			●	
SOUND INSULATION											
Alizé°	●	●			●						
Acoustipan°	●	●			●						
LARGE ROOMS / WARM ROOFS											
Acoustished°							●			●	●
LARGE ROOMS / COLD ROOFS											
Acoustished° CV							●			●	●
WALL PANELS											
Acoustiroc°											

	EDUCATION								HEALTH					CULTURE & LEISURE						INDUSTRY					
	Classroom	Play areas, club	Computer room	Administration offices	Music room	Corridors	Dining hall	Multi-purpose room	Bedroom	Waiting room	Laboratory	Reception, corridor	Consultation room	Gym	Swimming pool, skating rink	Cloakroom, bathroom	Ballroom	Cinema, theatre	Auditorium	Noisy workshop	Storage	Technical room	Electronics	Aeronautics	Food-processing industry
	●	●	●	●		●	●	●				●			●		●		●	●					
	●	●	●	●	●	●	●	●				●			●		●		●	●					
	●	●	●		●	●	●	●			●	●			●	●	●	●	●	●		●	●	●	●
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		●			●				●				●							●		●			●
		●			●															●		●			●
	●	●	●	●	●	●	●	●						●	●	●	●	●	●						



Eurocoustic: committed to quality

SERVICE CHARTER

Service class	Size (mm)	Product	Production frequency
A	300 x 1200	Eurobaffles® White	Weekly production
	600 x 600 / 600 x 1200	Minerval® A 12, A 15, E 15	
		Tonga® A22, A40 / Tonga® Therm A 80	
		Tonga® E 20	
	600 x 600	Tonga® Ultra Clean A 22, A 40, HP A 22	
		Area® A 15	
		Ermes® E 15	
		Clini'Safe® A 15, E 15	
		Alizé®	
	600 x 1200	Eurobaffles® White	
		Alizé®	
		Acoustipan®	
1000 x 1500	Acoustished® A 40, A 80		
	Acoustished® CV A 40, A 80		
B	600 x 600	Acoustichoc® A 22	Manufacturing on even weeks or odd weeks depending on the product
	600 x 1200	Tonga® Ultra Clean A 22, A 40	
		Acoustichoc® A 22, A 40	
		Eurolene®	
		Protisol®	
	600 x 1500/1720/1800/2000/2400	Eurobaffles® White	
		Tonga® A 22, A 40	
	990 x 1310 / 990 x 1370 / 990 x 1985	Acoustished® A 40, A 80	
1000 x 1500	Acoustichoc® A 40		
1200 x 1200	Tonga® A 22		
	Protisol®		
C	300 x 1200	Eurobac® / Eurobaffles® Eurocolors, patterns and Boreal	Contact us
	600 x 1200	Minerval® E 15	
		Tonga® Ultra Clean HP A 22	
		Area® A 15	
		Ermes® E 15	
		Clini'Safe® A 15, E 15	
		Eurobaffles® Eurocolors, Patterns and Boreal	
		Eurobac®	
	800 x 2700	Acoustiroc®	
	990 x 1310 / 990 x 1370 / 990 x 1985	Acoustished® A 40, A 80 / Acoustished® CV A 40, A 80	
	1000 x 1200	Acoustipan®	
1200 x 1200	Insula® / Tonga® Ultra Clean E 20		
1200 x 2400	Insula®		



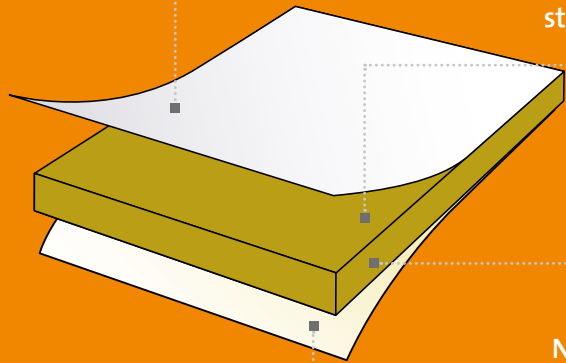
Product data sheets

ECONOMICAL AND EFFICIENT	
Minerval® A 12	46
Minerval® A 15	48
Minerval® E 15	50
BETTER, SAFER, EASIER	
Tonga® A 22	52
Tonga® A 40	54
Tonga® E 20	58
Tonga® Therm A 80	60
Tonga® Ultra Clean A 22	62
Tonga® Ultra Clean A 40	64
Tonga® Ultra Clean E 20	66
Tonga® Ultra Clean HP A 22	68
Area® A 15	70
Ermes® E 15	72
SPECIFIC SOLUTIONS	
Health	
Clini'Safe® A 15	74
Clini'Safe® E 15	76
Impact resistance	
Acoustichoc® A 22	78
Acoustichoc® A 40	80
Acoustichoc® Impact 15	82
Acoustichoc® Impact 30	84
Islands & Baffles	
Insula®	86
Eurobaffle®	88
Sound insulation	
Alizé®	90
Acoustipan®	92
Large rooms / warm roofs	
Acoustished® A 40	94
Acoustished® A 80	96
Large rooms / cold roofs	
Acoustished® CV A 40	98
Acoustished® CV A 80	100
Wall panels	
Acoustiroc®	102
Complementary products	
Eurolene®	104
Protisol®	106
Eurobac®	108

Minerval® A 12

White decorative glass fiber veil

High density
stone wool panel,
12mm thick

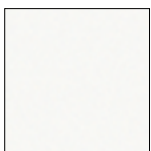


A Edges

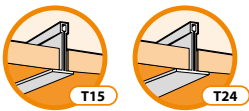
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- No sagging, humidity resistant
- Glass fiber veil on the reverse side



White

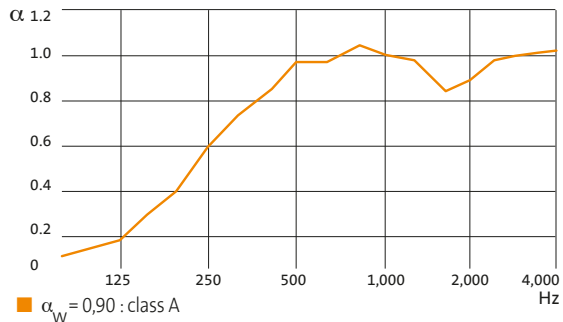


Minerval® A 12

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T24 grids.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Fire resistance

- REI120 according to EN 1365-2.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® A 12 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01.



Indoor air quality

- Minerval® A 12 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® A 12 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.



Cleaning

- The surface of Minerval® A 12 ceilings does not retain dust, which makes them easier to clean.
- Minerval® A 12 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® A 12 ceilings.

AT A GLANCE

Color	White
Edge	A
Grids	T15 - T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	12	12

Packaging

Panels/pack	40	20
m² / pack	14.40	14.40
Packs/pallet	18	18
Service class	A	A

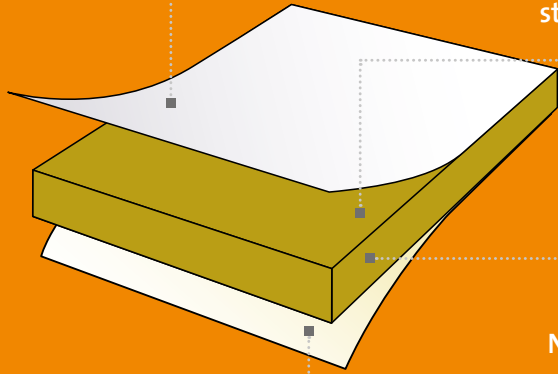
Minerval® A 12 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Minerval® A 15

White decorative glass fiber veil

High density
stone wool panel,
15mm thick

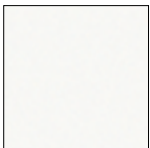


A Edges

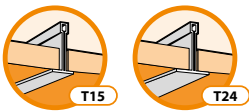
Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Fire reaction: A1
- No sagging, humidity resistant
- Glass fiber veil on the reverse side



White

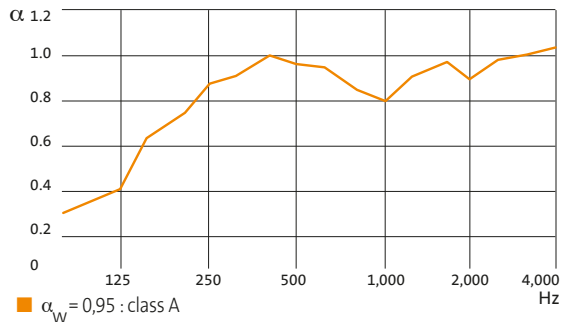


Minerval® A 15

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T24 grids.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Fire resistance

- SF30 according to NBN 713-020.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® A 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation

790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01.



Indoor air quality

- Minerval® A 15 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® A 15 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.



Cleaning

- The surface of Minerval® A 15 ceilings does not retain dust, which makes them easier to clean.
- Minerval® A 15 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® A 15 ceilings.

AT A GLANCE

Color	White
Edge	A
Grids	T15 - T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels/pack	32	16
m ² / pack	11.52	11.52
Packs/pallet	18	18
Service class	A	A

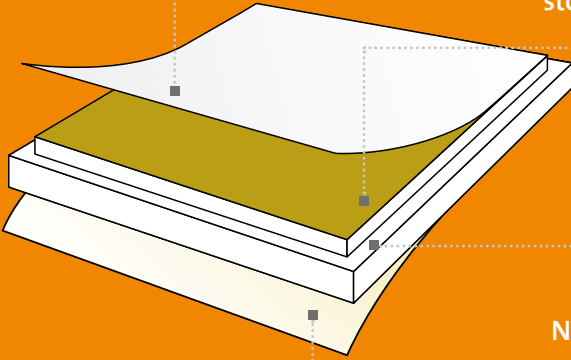
Minerval® A 15 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Minerval® E 15

White decorative glass fiber veil

High density
stone wool panel,
15mm thick

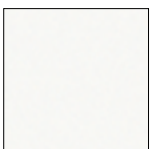


E Edges

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Fire reaction: A1
- No sagging, humidity resistant
- Glass fiber veil on the reverse side



White

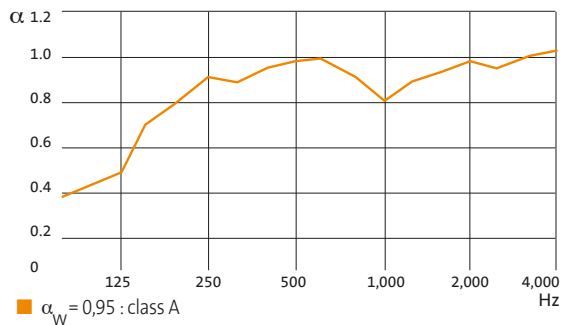


Minerval® E 15

- > Rigid stone wool self-supporting panel.
- > Decorative white glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T15 hollow joint - T24 grids.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Minerval® E 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-05.



Indoor air quality

- Minerval® E 15 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Minerval® E 15 ceilings are installed on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.
- The direction in which the panels should be installed is indicated on the back of the panels.



Cleaning

- The surface of Minerval® E 15 ceilings does not retain dust, which makes them easier to clean.
- Minerval® E 15 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Minerval® E 15 ceilings.

AT A GLANCE

Color	White	
Edge	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	22	22
Service class	A	C

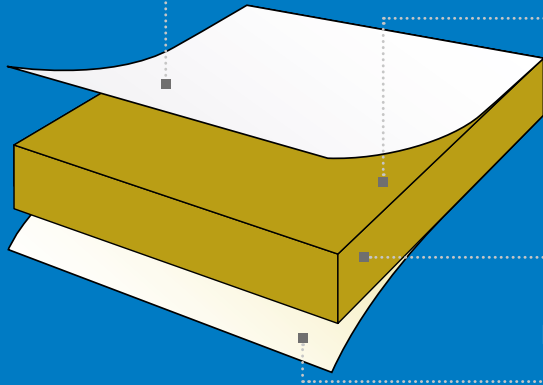
Minerval® E 15 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Tonga[®] A 22

Decorative glass fiber veil white,
Eurocolors or patterns

High density
stone wool panel,
22mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Fire reaction: A1 for white and A2-s1, d0 for colors
- Light reflection: >87%
- No sagging, humidity resistant
- Reduction in artificial lighting needs
- Increases the daylight factor by >6%
- High density panel
- Over 700 possible combinations of sizes and surface finish
- IAQ: Class A+



White 09



46 Eurocolors

4 patterns



Nuagé



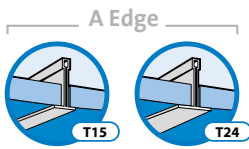
Écume



Atoll[®]



Coral[®]

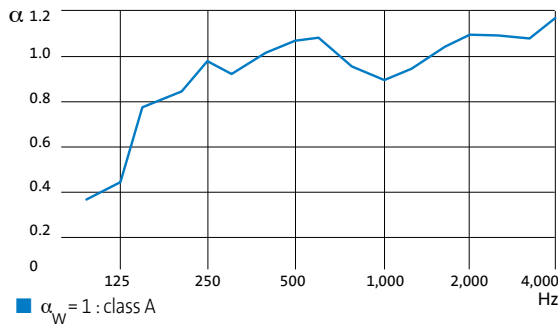


Tonga® A 22

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T24 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1:
For white, Euroclass A1.
For colors, and patterns, Euroclass A2-s1, d0.



Fire resistance

- **Tonga® A 22 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.**

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- **Tonga® A 22 ceilings (600 x 600 and 1200 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) are SF 30 according to Belgian standard NBN 713-020.**

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m².K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® A 22 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Tonga® A 22 ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management System".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01 (white) and 0007-02 (colors).



Indoor air quality

- Tonga® A 22 ceilings are classed: A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® A 22 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Tonga® A 22 ceilings does not retain dust, which makes them easier to clean.
- Tonga® A 22 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® A 22 ceilings.

AT A GLANCE

Color	White 09	Eurocolors	Patterns
Edge	A		
Grids	T15 - T24		

Module size (mm)

Width	600	600	600	600	600	600	600	1200
Length	600	1200	1500	1720	1800	2000	2400	1200
Thickness	22	22	22	22	22	22	22	22

Packaging

Panels/pack	24	12	10	10	10	10	6	6
m² / pack	8.64	8.64	9.00	10.30	10.80	12.00	8.64	8.64
Packs/pallet	18	18	20	20	20	20	18	17
Service class	A	A	B	C	B	B	B	B

Tonga® A 22 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

COLORS, PATTERNS

AND QUICK-LOCK® GRIDS

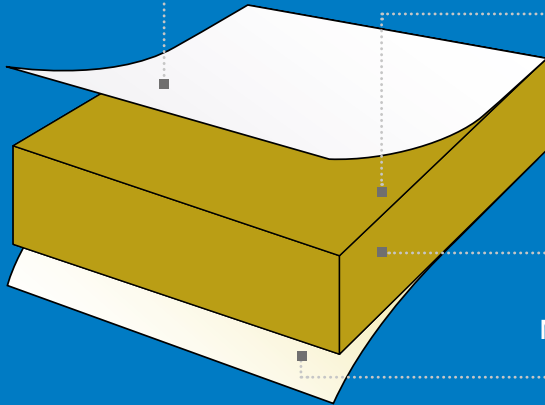
(more information on p. 57)



Tonga® A 40

Decorative glass fiber veil white,
Eurocolors or patterns

High density
stone wool panel,
40mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

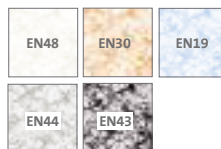
- Acoustic absorption: $\alpha_w = 1$
- Fire reaction: A1 for white and A2-s1, d0 for colors
- Light reflection: >87%
- No sagging, humidity resistant
- Thermal resistance: 1.10 m².K/W
- Reduction in artificial lighting needs
- Increases the daylight factor by >6%
- High density panel
- Over 700 possible combinations of sizes and surface finish



White 09

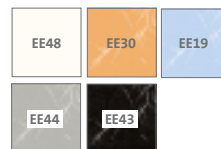


46 Eurocolors



4 patterns

Nuagé



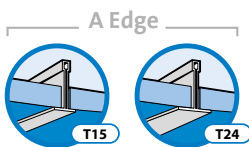
Écume



Atoll®



Coral®

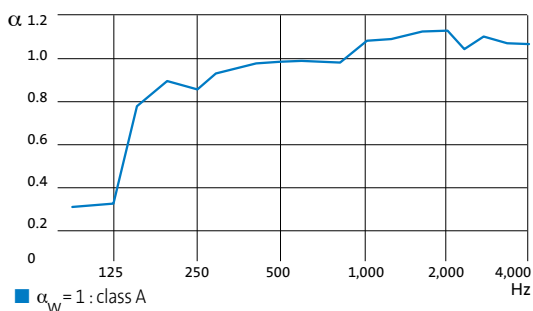


Tonga® A 40

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T24 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1: For white, Euroclass A1. For colors, and patterns, Euroclass A2-s1, d0.



Fire resistance

- **Tonga® A 40 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- **Tonga® A 40 ceilings** (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m².K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Tonga® A 40 ceilings offer thermal resistance* of:

Thickness	Thermal resistance
40 mm	1.10 m².K/W

*According to standard EN 13162



Resistance to bending

According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:

- The maximum atmospheric conditions to which tiles are exposed (humidity (%) and temperature (°C)) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% Temperature ≤ 25°C.
B	Humidity ≤ 90% Temperature ≤ 30°C.
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation
D	Conditions more extreme than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²). Tonga® A 40 ceilings for exposure class C and all dimensions, including the largest, are classed:
- With distributed load: C/130 N/m²



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® A 40 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Tonga® A 40 ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management System".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-01 (white) and 0007-02 (colors).



Indoor air quality

- Tonga® A 40 ceilings are classed: A+.







Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® A 40 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Tonga® A 40 ceilings does not retain dust, which makes them easier to clean.
- Tonga® A 40 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® A 40 ceilings.

COLORS AND PATTERNS

White



Eurocolors (46 colors)

082	EC01	EC02	EC03	EC04	EC05	EC06
EC07	EC08	EC09	EC10	EC11	EC12	EC13
EC14	EC15	EC16	EC17	EC18	EC19	EC20
EC21	EC22	EC24	EC25	EC26	EC27	
EC28	EC29	EC30	EC32	EC33		
EC34	EC35	EC36	EC37	EC38	EC39	EC40
EC41	EC42	EC43	EC44	EC45	EC46	EC47

Patterns

NUAGÉ

EN48	EN30	EN19
EN44	EN43	

ÉCUME

EE48	EE30	EE19
EE44	EE43	

ATOLL*

CORAL*

EA49	EC49
------	------

AT A GLANCE

Color	White 09	Eurocolors	Patterns
Edge	A		
Grids	T15 - T24		

Module size (mm)

Width	600	600	600	600	600	600
Length	600	1200	1500	1800	2000	2400
Thickness	40	40	40	40	40	40

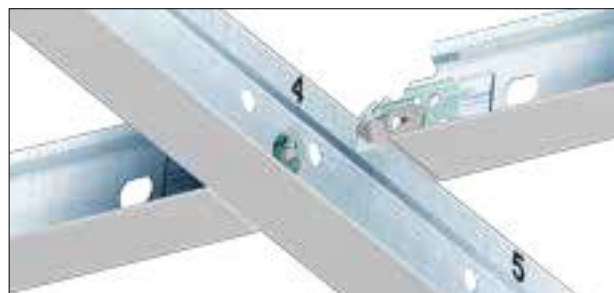
Packaging

Panels/pack	20	10	8	8	8	6
m² / pack	7.20	7.20	7.20	8.64	9.60	8.64
Packs/pallet	12	12	14	14	14	10
Service class	A	A	B	B	B	B

Tonga® A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

QUICK-LOCK® GRIDS

Recommended for the installation of the Tonga® range, **QUICK-LOCK®** grids are available in T15 and T24.



ULTRAMATT BLACK* QUICK-LOCK®

New

Ultramatt black **QUICK-LOCK®** grids deliver a superior seamless visual effect in combination with Tonga® EuroNoir EC43 tiles* for a fully discreet ceiling.

QUICK-LOCK® COLORS*

New



Recommended for your colored acoustic ceiling projects, the new **QUICK-LOCK®** COLORS service allows you to combine Tonga® Eurocolors tiles with perfectly adapted grids for an even more eye-catching ceiling*.

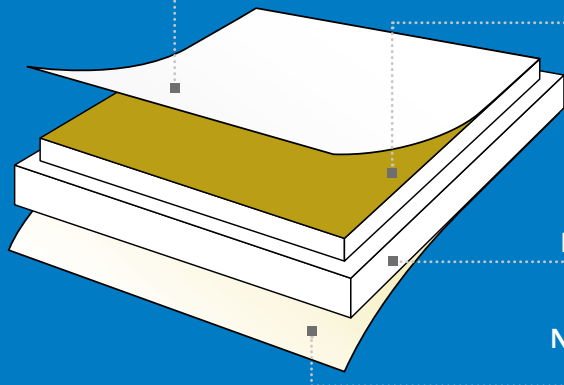
* Visual consistency between tiles and grids has been checked by a color specialist. The color of the Eurocolors tiles and **QUICK-LOCK®** COLORS grids may vary slightly from one production batch to the next.



Tonga[®] E 20

Decorative glass fiber veil white,
Eurocolors or patterns

High density
stone wool panel,
20mm thick

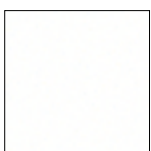


E Edges, painted

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.95$
- Fire reaction: A1
- Light reflection: >87%
- No sagging, humidity resistant
- Reduction in artificial lighting needs
- Increases the daylight factor by >6%
- High density panel



White 09

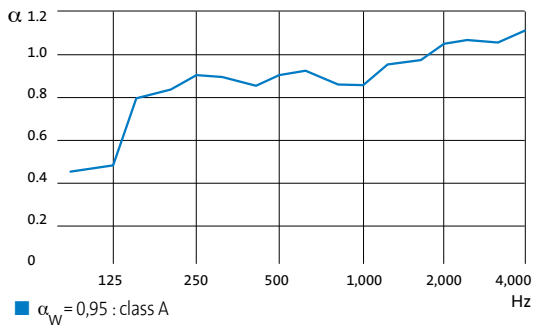


Tonga® E 20

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil on the visible side. Rebated edges.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 - T15 hollow joint - T24 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Fire resistance

- Tonga® E 20 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- Tonga® E 20 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m².K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® E 20 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-05.



Indoor air quality

- Tonga® E 20 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® E 20 ceilings are installed on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Tonga® E 20 ceilings does not retain dust, which makes them easier to clean.
- Tonga® E 20 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® E 20 ceilings.

AT A GLANCE

Color	White 09	
Edge	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	20	20

Packaging

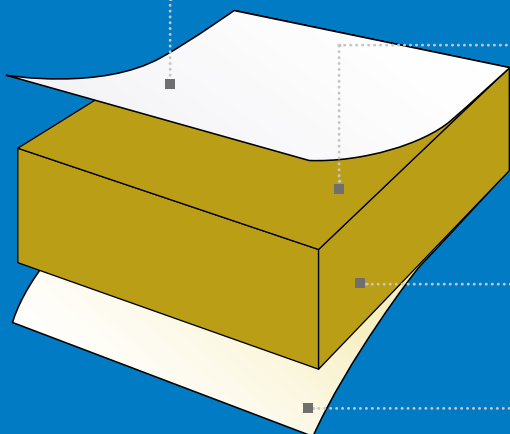
Panels/pack	20	10	6
m ² / pack	7.20	7.20	8.64
Packs/pallet	20	20	18
Service class	A	A	C

Tonga® E 20 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Tonga® Therm A 80

Decorative glass fiber veil
in white or Eurocolors




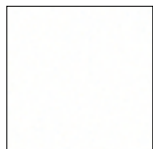
High density
stone wool panel,
77 mm thick

A Edges

Natural glass veil
on reverse side

KEY FEATURES

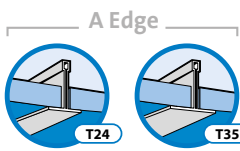
- Thermal-acoustic solution
- Acoustic absorption: $\alpha_w = 1$
- Thermal resistance: $2.20 \text{ m}^2 \cdot \text{K}/\text{W}$
- No sagging, humidity resistant
- IAQ: Class A+
- Compatible with French thermal building regulations
- ACERMI-certified 



White 09



46 Eurocolors

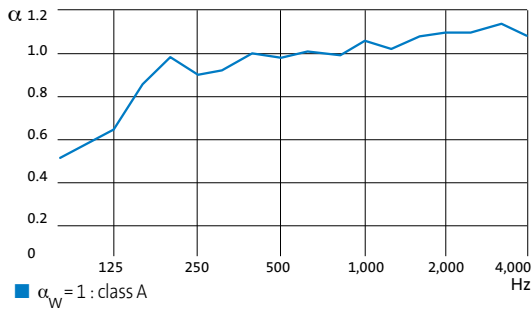


Tonga® Therm A 80

- > Rigid 77 mm stone wool panel.
- > Decorative glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T24 - T35 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1:
For white, Euroclass A1.
For colors, Euroclass A2-s1, d0.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Tonga® Therm A 80 ceilings offer thermal resistance* measured according to NF EN 12667 and are ACERMI-certified to NF EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m ² .K/W

- Compatible with French thermal building regulations



Resistance to bending

- According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:
- The maximum atmospheric conditions to which tiles may be exposed (humidity (%) and temperature (°C)) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% / Temperature ≤ 25°C.
B	Humidity ≤ 90% / Temperature ≤ 30°C.
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation.
D	Conditions more extreme than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²).
- Tonga® Therm A 80 ceilings in all dimensions, including the largest, are classed:
- With distributed load: C/195 N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Therm A 80 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Tonga® Therm A 80 ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management System".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) and 0007-13 (colors).



Indoor air quality

- Tonga® Therm A 80 ceilings are classed: A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Therm A 80 ceilings are installed on T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Tonga® Therm A 80 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Therm A 80 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Tonga® Therm A 80 ceilings.

AT A GLANCE

Color	White 09 - Eurocolors
Edge	A
Grids	T24 - T35

Module size (mm)

Width	600	600
Length	600	1200
Thickness	77	77

Packaging

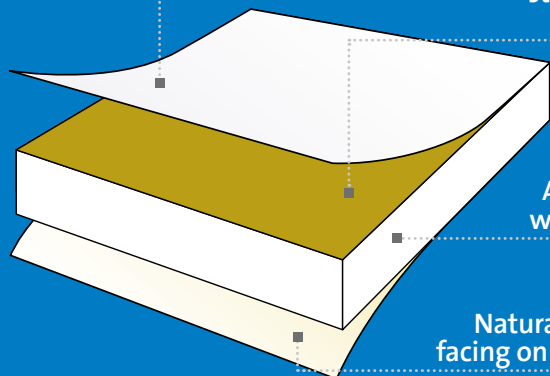
Panels/pack	12	6
m ² / pack	4.32	4.32
Packs/pallet	10	10
Service class	A	A

Tonga® Therm A 80 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Tonga® Ultra Clean A 22

Glass fiber veil facing
painted white



High density
stone wool panel,
22mm thick

A edges, painted
with Boreal finish

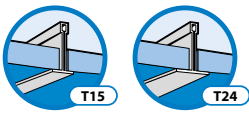
Natural glass fiber veil
facing on the reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Fire reaction: A1
- Cleaning: five cleaning methods
- Light reflection: >89%
- No sagging, humidity resistant
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish
- Control of airborne particles: ISO 4
- Resistance to mold: Degree 0



White

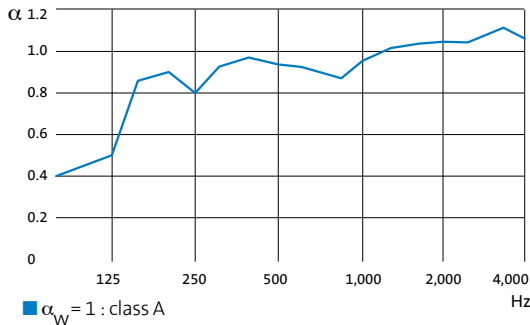


Tonga® Ultra Clean A 22

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced on the rear with a natural glass fiber veil.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 89%.
- **White:** L = 95.6% - according to NF EN ISO 11664-4.
- **Brightness:** matt - gloss level of 2.54% at an angle of 85° according to ISO 2813.
- **Light diffusion:** >99% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Fire resistance

- **Tonga® Ultra Clean A 22 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- **Tonga® Ultra Clean A 22 ceilings** (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max $R \approx 5 \text{ m}^2 \cdot \text{K/W}$) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean A 22 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Tonga® Ultra Clean A 22 ceilings are classed: A.



Control of airborne particles

- Tonga® Ultra Clean A 22 ceilings are class ISO 4 according to Standard ISO 14644-1.



Resistance to mold

- Tonga® Ultra Clean A 22 ceilings do not allow the development of fungi: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean A 22 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Tonga® Ultra Clean A 22 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean A 22 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- This type of cleaning will help extend the service life of Tonga® Ultra Clean A 22 ceilings.

AT A GLANCE

Color	White Boreal finish	
Edge	A	
Grids	T15 - T24	

Module size (mm)

Width	600	600
Length	600	1200
Thickness	22	22

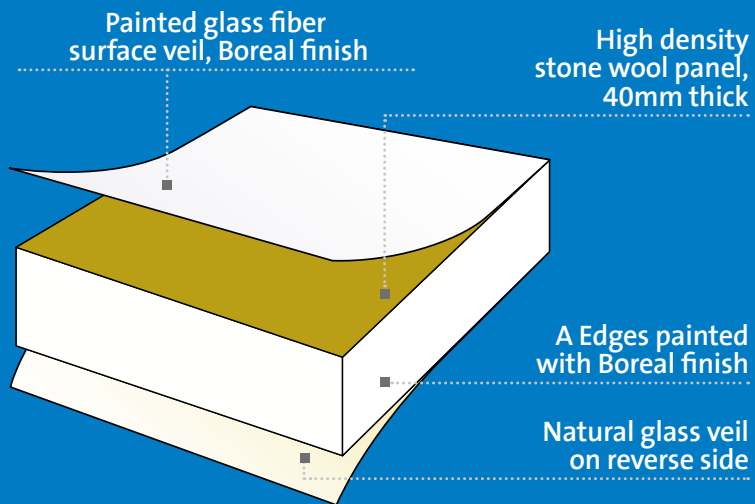
Packaging

Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	16	16
Service class	A	B

Tonga® Ultra Clean A 22 ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



Tonga® Ultra Clean A 40



KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Fire reaction: A1
- Cleaning: five cleaning methods
- Light reflection: >89%
- No sagging, humidity resistant
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish



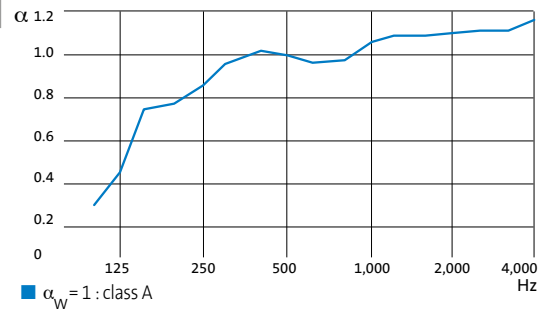
White

Tonga® Ultra Clean A 40

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced on the rear with a natural glass fiber veil.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 2.54% at an angle of 85° according to ISO 2813.
- **Light diffusion:** >99% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1 for white.



Fire resistance

- **Tonga® Ultra Clean A 40 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- **Tonga® Ultra Clean A 40 ceilings** (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m²·K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- **Tonga® Ultra Clean A 40 ceilings** offer thermal resistance* of:

Thickness	Thermal resistance
40 mm	1.10 m²·K/W

*According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our **Tonga® Ultra Clean A 40** panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health

Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.

- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- **Tonga® Ultra Clean A 40 ceilings** are classed: A



Control of airborne particles

- **Tonga® Ultra Clean A 40 ceilings** are Class ISO 4 according to Standard ISO 14644-1.



Resistance to mold

- **Tonga® Ultra Clean A 40 ceilings** do not allow the development of fungi: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- **Tonga® Ultra Clean A 40 ceilings** are installed on T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of **Tonga® Ultra Clean A 40 ceilings** does not retain dust, which makes them easier to clean.
- **Tonga® Ultra Clean A 40 ceilings** can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- This type of cleaning will help extend the service life of **Tonga® Ultra Clean A 40 ceilings**.

AT A GLANCE

Color	White Boreal finish
Edge	A
Grids	T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	40	40

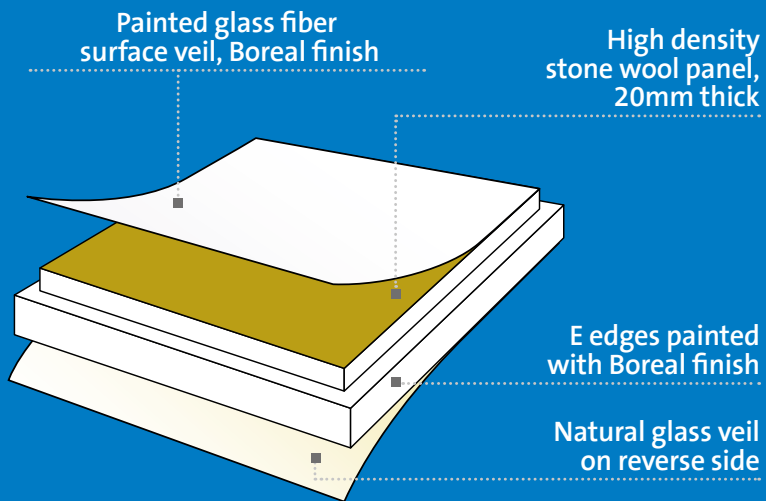
Packaging

Panels/pack	12	6
m² / pack	4.32	4.32
Packs/pallet	18	18
Service class	A	B

Tonga® Ultra Clean A 40 ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



Tonga® Ultra Clean E 20



KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- Cleaning: five cleaning methods
- Light reflection: >89%
- No sagging, humidity resistant
- Painted edges and faces, Boreal finish
- High density panel
- Smooth, satin and bright finish



White

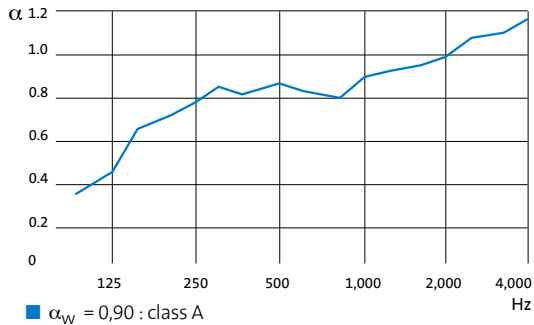


Tonga® Ultra Clean E 20

- > Rigid stone wool self-supporting panel.
- > Boreal finish.
- > Reinforced on the rear with a natural glass fiber veil.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 89%.
- **White:** L = 95.6% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 2.54% at an angle of 85° according to NF EN ISO 2813.
- **Light diffusion:** >99% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1 for white.



Fire resistance

- **Tonga® Ultra Clean E 20 ceilings** (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- **Tonga® Ultra Clean E 20 ceilings** (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max $R \approx 5 \text{ m}^2 \cdot \text{K/W}$) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Tonga® Ultra Clean E 20 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Tonga® Ultra Clean E 20 ceilings are classed: A.



Control of airborne particles

- Tonga® Ultra Clean E 20 ceilings are class ISO 4 according to Standard ISO 14644-1.



Resistance to mold

- Tonga® Ultra Clean E 20 ceilings do not allow the development of fungi: Degree 0 according to ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Tonga® Ultra Clean E 20 ceilings are installed on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Tonga® Ultra Clean E 20 ceilings does not retain dust, which makes them easier to clean.
- Tonga® Ultra Clean E 20 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- This type of cleaning will help extend the service life of Tonga® Ultra Clean E 20 ceilings.

AT A GLANCE

Color	White Boreal finish	
Edge	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm)

Width	600	600	1200
Length	600	1200	1200
Thickness	20	20	20

Packaging

Panels/pack	20	10	6
m ² / pack	7.20	7.20	8.64
Packs/pallet	20	20	18
Service class	A	C	C

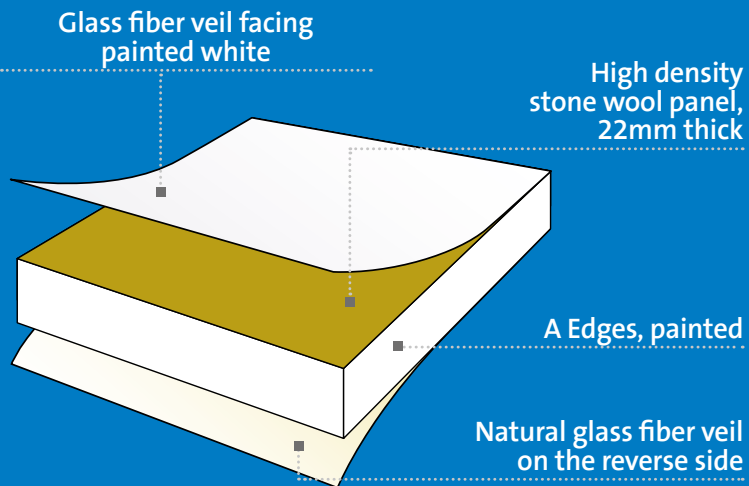
Tonga® Ultra Clean E 20 ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



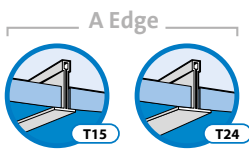
Tonga® Ultra Clean HP A 22

KEY FEATURES

- Acoustic absorption: $\alpha_w = 1$
- Ideal for areas requiring high-pressure cleaning, intensive maintenance and the use of detergents
- Control of airborne particles: ISO 4
- Resistance to mold Degree 0
- Closed edges
- High density panel



White



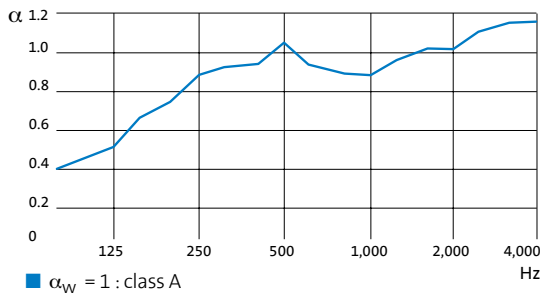
New

Tonga® Ultra Clean HP A 22

- > Rigid stone wool self-supporting panel surfaced with a white veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Closed edges.



Acoustic absorption



Light

- **Light reflection:** The light reflection coefficient of the veil is greater than 84% (for the white veil).
- **White:** L = 93.72% - according to NF EN ISO 11664.
- **Brightness:** matt - the level of brightness is 0.4 UB at an angle of 85° according to NF EN ISO 2813.
- **Light diffusion:** 99.80% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A2-s1, d0.



Fire resistance

- **Tonga® Ultra Clean HP A 22** ceilings (600 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Euroleone® 603 + 0 to 200 mm of insulation

- **Tonga® Ultra Clean HP A 22** ceilings (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m². K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our **Tonga® Ultra Clean HP A 22** panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- **Tonga® Ultra Clean HP A 22** ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management Systems".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-15



Indoor air quality

- **Tonga® Ultra Clean HP A 22** ceilings are classed: A+.



Control of airborne particles

- **Tonga® Ultra Clean HP A 22** ceilings are Class ISO 4 according to ISO 14644-1.



Resistance to mold

- **Tonga® Ultra Clean HP A 22** ceilings prevent fungal growth: Degree 0 according to Method A in ISO 846.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- **Tonga® Ultra Clean HP A 22** ceilings are installed on T15 - T24 grids.
- Panels must be mounted on a grid system with a silicone seal and held in place with Euroclip HP anti-lift clips.
- Tiles can easily be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of **Tonga® Ultra Clean HP A 22** ceilings does not retain dust, which makes them easier to clean.
- **Tonga® Ultra Clean HP A 22** ceilings can be cleaned using a pressure washer (120 cycles up to 100 bar). Panels must then be held onto the grid with clips: Euroclip HP.
- Other cleaning methods available: light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent), wet steam + dry cloth and dry steam + dry cloth.
- This type of cleaning will help extend the ceiling's service life.

AT A GLANCE

Color	White
Edge	A
Grids	T15 - T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	22	22

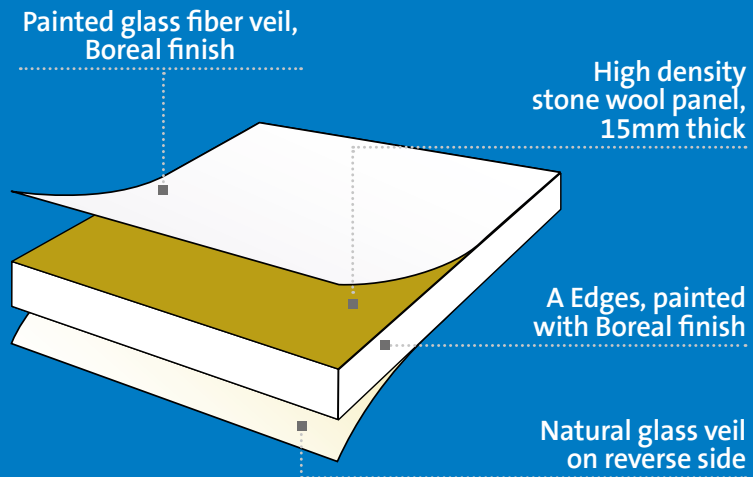
Packaging

Panels/pack	24	12
m² / pack	8.64	8.64
Packs/pallet	16	16
Service class	A	C

Tonga® Ultra Clean HP A 22 ceilings are packaged in six-sided crates. All Eurocoustic packs are shrink-wrapped.



Area[®] A 15

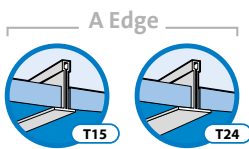


KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- Light reflection index: >89%
- No sagging, humidity resistant
- High density panel
- Smooth, satin and bright finish
- Painted edges and face
- Can be cleaned with a wet sponge



White

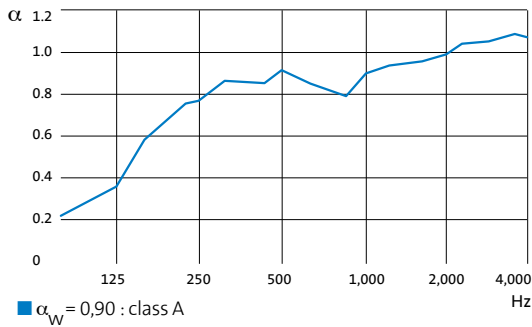


Area® A 15

- > Rigid stone wool self-supporting panel.
- > Edges painted, Boreal finish.
- > Reinforced by a natural glass facing on the reverse side.
- > Designed for use with T15 - T24 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 89%.
- **White:** L = 95.6% - according to norm NF EN ISO 11664-4.
- **Brightness:** matt - the level of brightness is 2.54% at an angle of 85° according to NF EN ISO 2813.
- **Light diffusion:** >99% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Area® A 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Area® A 15 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Area® A 15 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Area® A 15 ceilings does not retain dust, which makes them easier to clean.
- Area® A 15 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- This type of cleaning will help lengthen Area® A 15 ceiling's life duration.

AT A GLANCE

Color	White Boreal finish
Edge	A
Grids	T15 - T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

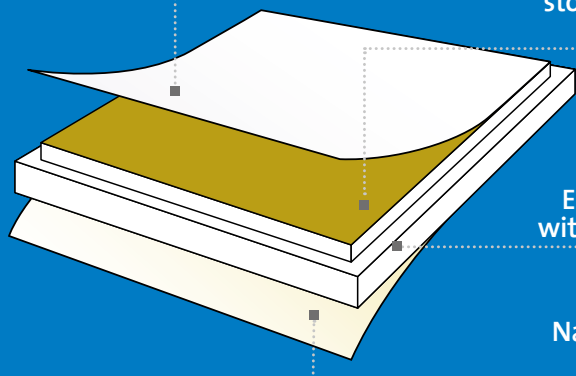
Panels/pack	24	12
m² / pack	8.64	8.64
Packs/pallet	22	22
Service class	A	C

Area® A 15 ceilings are packaged in six-sided crates. All Eurocoustic packs are shrink-wrapped.



Ermes® E 15

Painted glass fiber surface veil,
Boreal finish



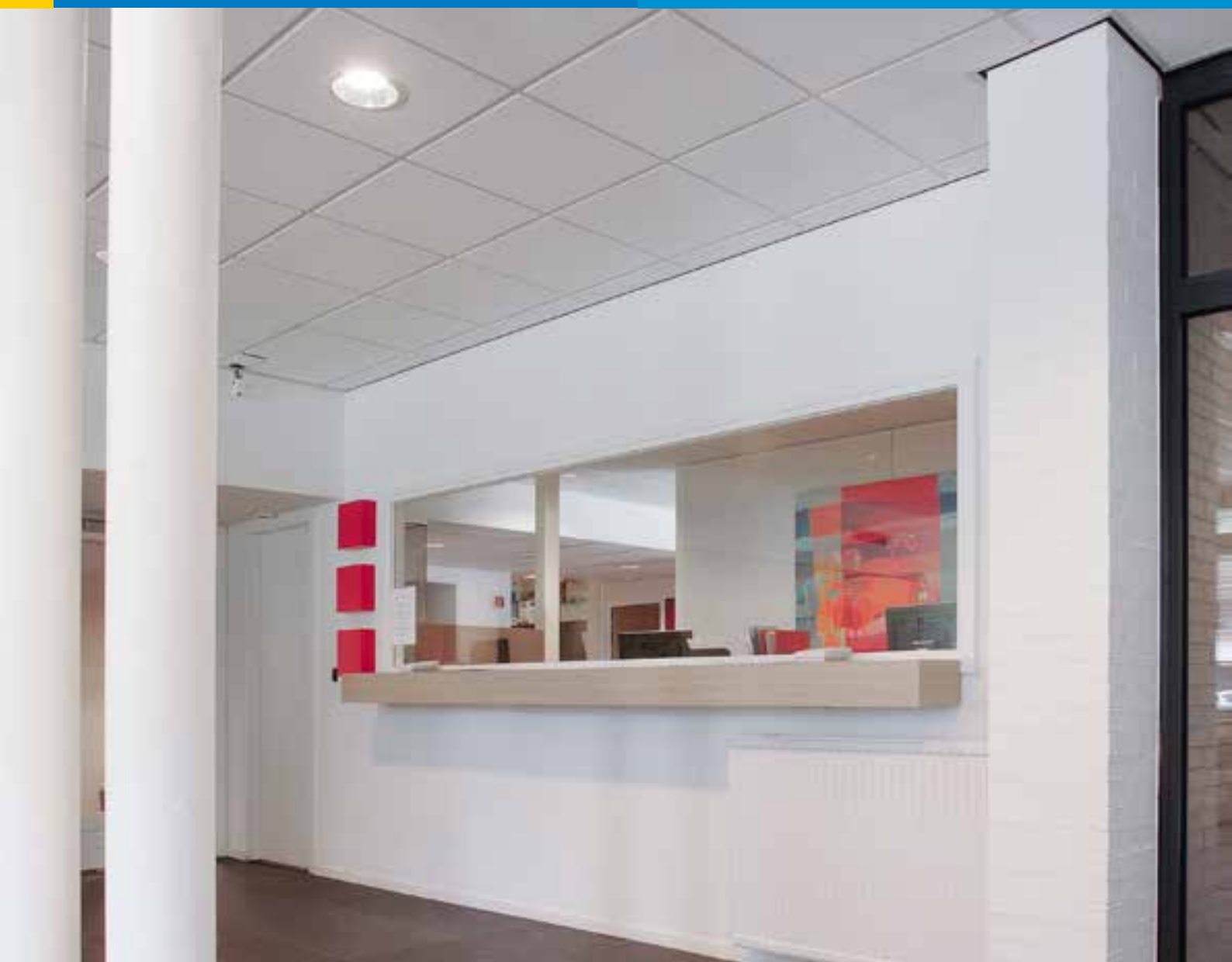
High density
stone wool panel,
15mm thick

E Edges, painted
with Boreal finish

Natural glass veil
on reverse side

KEY FEATURES

- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- Light reflection: >89%
- No sagging, humidity resistant
- High density panel
- Smooth, satin and bright finish
- Painted edges and face
- Can be cleaned with a wet sponge



White

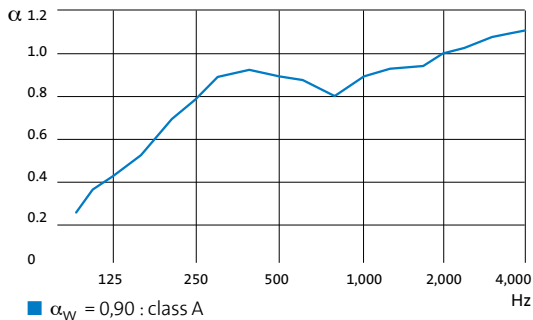


Ermes® E 15

- > Rigid stone wool self-supporting panel.
- > Edges painted, Boreal finish.
- > Reinforced by a natural glass facing on the reverse side.
- > Designed for use with T15 - T15 hollow joint - T24 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 89%.
- **White:** L = 95.6% - according to norm NF EN ISO 11664-4.
- **Brightness:** matt - the level of brightness is 2.54% at an angle of 85° according to NF EN ISO 2813.
- **Light diffusion:** >99% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Ermes® E 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Ermes® E 15 ceilings are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Air circulation between the spaces and the plenum is recommended to balance temperature and pressure on both sides of the ceiling
- Ermes® E 15 ceilings are installed on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Ermes® E 15 ceilings does not retain dust, which makes them easier to clean.
- Ermes® E 15 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- This type of cleaning will help extend the service life of Ermes® E 15 ceilings.

AT A GLANCE

Color	White Boreal finish	
Edge	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	22	22
Service class	A	C

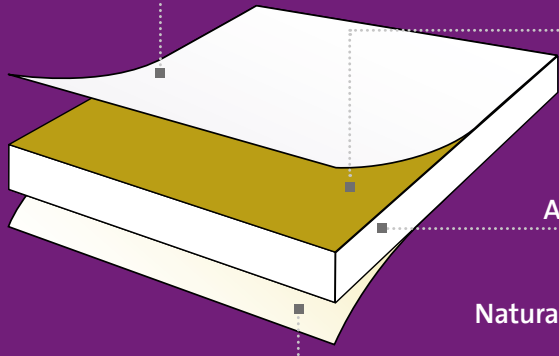
Ermes® E 15 ceilings are packaged in six-sided crates. All Eurocoustic packs are shrink-wrapped.



Clini'Safe® A 15

Decorative glass facing coated with white paint

High density stone wool panel, 15 mm thick

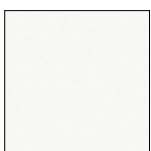


A Edges, painted

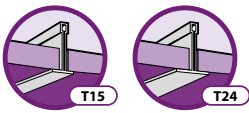
Natural glass fiber veil on reverse side

KEY FEATURES

- Tested on the three criteria in Zone 4 of the French Health Standard NF S90-351: 2013
- Five cleaning methods
- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- No sagging, humidity resistant
- Painted edges and visible face
- High density panel



White

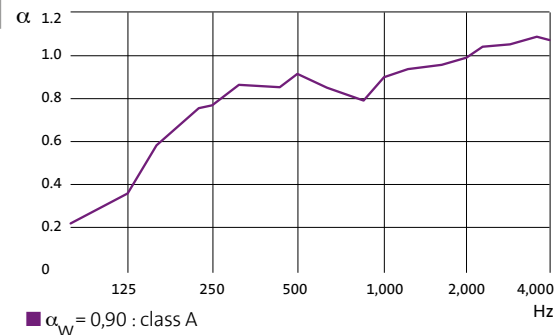


Clini'Safe® A 15

- > Rigid stone wool self-supporting panel.
- > Painted white finish on the visible side.
- > Painted edges.
- > Reinforced by a natural glass fiber veil on the reverse side



Acoustic absorption



Light reflection

- The light reflection coefficient is greater than 85%.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Fire resistance

- Clini'Safe® A 15 ceilings (600 x 600 and 1200 x 600 mm) installed on a T24 **QUICK-LOCK®** grid (see test report) are SF 30 according to Belgian standard NBN 713-020.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Clini'Safe® A 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Clini'Safe® A 15 ceilings are classed: A.



Behavior in microbial environments

- Clini'Safe® A 15 ceilings satisfy microbiological requirements for type 4 and 3 Zones according to the NF S90-351 standard - Control of airborne contamination.

Zones	Control of airborne particles	Kinetics of particle decontamination	Microbiological cleanliness	Tested bacteria
4	ISO 4	CP5	M1	Escherichia coli, Klebsiella pneumoniae, Aspergillus niger, Candida albicans
3	ISO 4	CP5	M10	Acinetobacter baumannii, Bacillus cereus, Streptococcus pneumoniae, methicillin-resistant Staphylococcus aureus (SARM)



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Air circulation between the spaces and the plenum is recommended to balance temperature and pressure on both sides of the ceiling.
- Clini'Safe® A 15 ceilings are installed on T15 - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Clini'Safe® A 15 ceilings does not retain dust, which makes them easier to clean.
- Clini'Safe® A 15 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® A 15 ceilings are resistant to the most widely used disinfectants in hospitals.
- This type of cleaning will help lengthen Clini'Safe® A 15 ceiling's life duration.

AT A GLANCE

Color	White
Edge	A
Grids	T15 - T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	22	22
Service class	A	C

Clini'Safe® A 15 ceilings are packaged in 6-sided boxes. All Eurocoustic packs are shrink-wrapped.



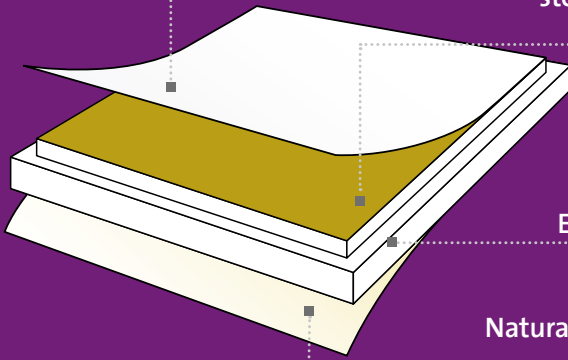
Clini'Safe® E 15

Decorative glass facing coated with white paint

High density stone wool panel, 15mm thick

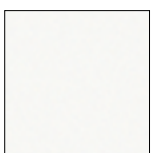
E Edges, painted

Natural glass fiber veil on reverse side



KEY FEATURES

- Tested on the three criteria in Zone 4 of the French Health Standard NF S90-351: 2013
- Five cleaning methods
- Acoustic absorption: $\alpha_w = 0.90$
- Fire reaction: A1
- No sagging, humidity resistant
- Painted edges and visible face
- High density panel



White

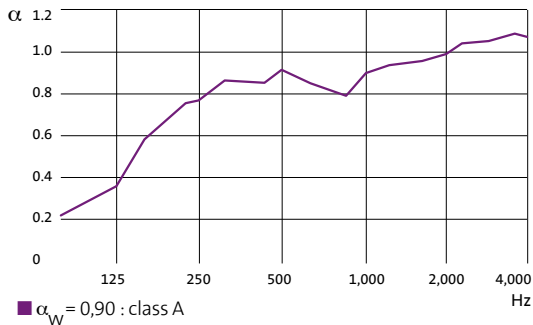


Clini'Safe® E 15

- > Rigid stone wool self-supporting panel.
- > Painted white finish on the visible side.
- > Painted edges.
- > Reinforced by a natural glass fiber veil on the reverse side.



Acoustic absorption



Light reflection

- The light reflection coefficient is greater than 85%.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Clini'Safe® E 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-04.



Indoor air quality

- Clini'Safe® E 15 ceilings are classed: A.



Behavior in microbial environments

- Clini'Safe® E 15 ceilings satisfy microbiological requirements for type 4 and 3 Zones according to the NF S90-351 standard - Control of airborne contamination.

Zones	Control of airborne particles	Kinetics of particle decontamination	Microbiological cleanliness	Tested bacteria
4	ISO 4	CP5	M1	Bacillus cereus, Streptococcus pneumoniae, Aspergillus niger, Candida albicans
3	ISO 4	CP5	M10	Klebsiella pneumoniae, methicillin-resistant Staphylococcus aureus (SARM)



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NFP 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Air circulation between the spaces and the plenum is recommended to balance temperature and pressure on both sides of the ceiling.
- Clini'Safe® E 15 ceilings are installed on T15 - T15 hollow joint - T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The painted surface of Clini'Safe® E 15 ceilings does not retain dust, which makes them easier to clean.
- Clini'Safe® E 15 ceilings can be cleaned with a light brush, vacuum cleaner, compressed air, wet sponge (with or without detergent / disinfectant), wet steam + dry cloth.
- Clini'Safe® E 15 ceilings are resistant to the most widely used disinfectants in hospitals, with a base of hydrogen peroxide, chlorine dioxide and glutaraldehyde.
- This type of cleaning will help extend the service life of Clini'Safe® E 15 ceilings.

AT A GLANCE

Color	White	
Edge	E	
Grids	T15 - T15 hollow joint	T24

Module size (mm)

Width	600	600
Length	600	1200
Thickness	15	15

Packaging

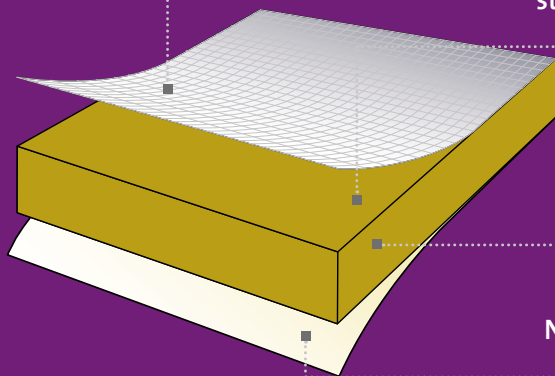
Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	22	22
Service class	A	C

Clini'Safe® E 15 ceilings are packaged in six-sided boxes. All Eurocoustic packs are shrink-wrapped.



Acoustichoc® A 22

Decorative glass fiber veil
in white or colours reinforced
with a glass grid



High density
stone wool panel,
22mm thick

A Edges

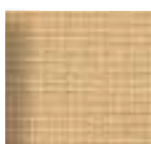
Natural glass veil
on reverse side

KEY FEATURES

- Proven impact resistance
- 7 available colors
- Acoustic absorption $\alpha_w = 1$
- Fire reaction: A2-s1, d0 for white and A1 for colors
- No sagging, humidity resistant
- IAQ: Class A+



White



Beige



Blue



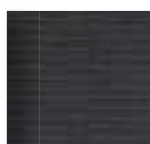
Grey



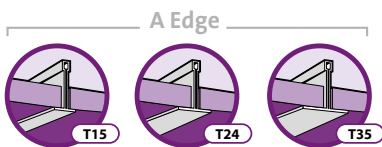
Yellow



Green



Black

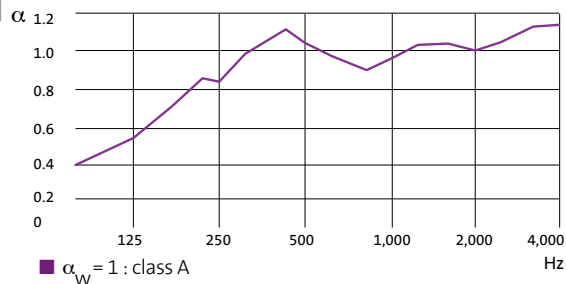


Acoustichoc® A 22

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil reinforced with a glass grid.
- > Designed for use with T15 - T24 - T35 grids.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A2-s1, d0 for white. Euroclass A1 for colors.



Fire resistance

- Acoustichoc® A 22 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module sizes (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- Acoustichoc® A 22 ceilings (600 x 600 and 1200 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m².K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® A 22 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-06 (white) and 0007-07 (colors).



Indoor air quality

- Acoustichoc® A 22 ceilings are classed: A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Air circulation between the spaces and the plenum is recommended to balance temperature and pressure on both sides of the ceiling.
- Acoustichoc® A 22 ceilings are installed on T15 - T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Acoustichoc® A 22 ceilings does not retain dust, which makes them easier to clean.
- Acoustichoc® A 22 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help lengthen Acoustichoc® A 22 ceiling's life duration.

AT A GLANCE

Color	White	Beige	Blue	Gray	Yellow	Green	Black
Edge	A						
Grids	T15 - T24 - T35						

Module size (mm)

Width	600	600
Length	600	1200
Thickness	22	22

Packaging

Panels/pack	24	12
m ² / pack	8.64	8.64
Packs/pallet	18	18
Service class	B	B

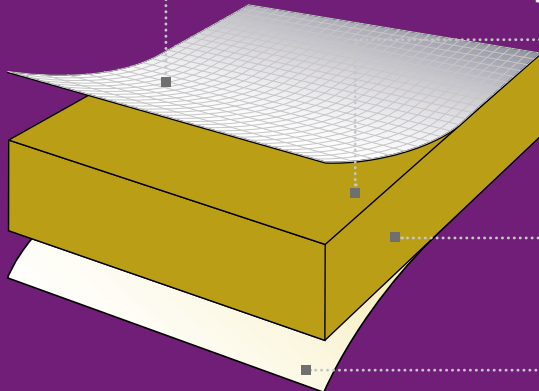
Acoustichoc® A 22 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Acoustichoc® A 40

Decorative glass fiber veil
in white or colours reinforced
with a glass grid

High density
stone wool panel,
40mm thick



A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Proven impact resistance
- 7 available colors
- Acoustic absorption $\alpha_w = 1$
- Fire reaction: A2-s1, d0 for white and A1 for colors
- No sagging, humidity resistant
- Thermal resistance: 1.10 m².K/W
- IAQ: Class A+



White



Beige



Blue



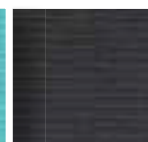
Grey



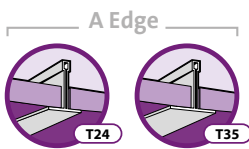
Yellow



Green



Black

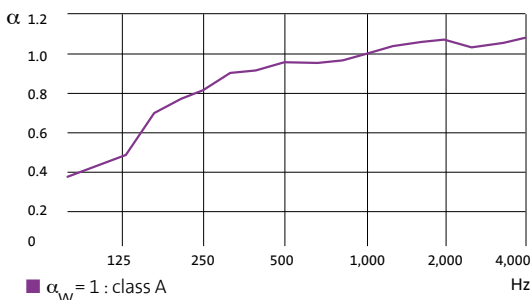


Acoustichoc® A 40

- > Rigid stone wool self-supporting panel.
- > Decorative glass fiber veil reinforced with a glass grid.
- > Designed for use with T24 - T35 grids.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A2-s1, d0 for white. Euroclass A1 for colors.



Fire resistance

- Acoustichoc® A 40 ceilings (600 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module sizes (mm)	Load-bearing structures	Additional insulation
REI	600 x 600	Concrete, Steel	No
REI	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- Acoustichoc® A 40 ceilings (600 x 600 and 1200 x 600 mm) installed on a T24 QUICK-LOCK® grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

- To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m² · K/W) bare or with an aluminum vapor barrier.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Acoustichoc® A 40 ceilings offer thermal resistance* of:

Thickness	Thermal resistance
40 mm	1.10 m² · K/W

*According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® A 40 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification. Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-06 (white) and 0007-07 (colors).



Indoor air quality

- Acoustichoc® A 40 ceilings are classed: A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- Air circulation between the spaces and the plenum is recommended to balance temperature and pressure on both sides of the ceiling.
- Acoustichoc® A 40 ceilings are installed on T24 - T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The Acoustichoc® A 40 surface does not retain dust, which makes them easier to clean.
- Acoustichoc® A 40 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustichoc® A 40 ceilings.

AT A GLANCE

Color	White	Beige	Blue	Gray	Yellow	Green	Black
Edge	A						
Grids	T24 - T35						

Module size (mm)

Width	600	1000
Length	1200	1500
Thickness	40	40

Packaging

Panels/pack	20	4
m² / pack	7.20	6
Packs/pallet	12	14
Service class	B	B

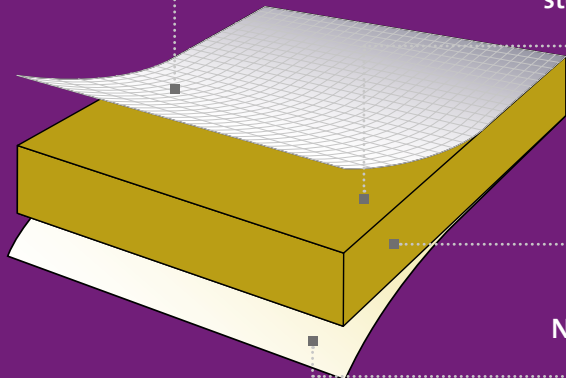
Acoustichoc® A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Acoustichoc® Impact 15

Decorative glass fiber veil
in white or colours reinforced
with a glass grid

High density
stone wool panel,
22mm thick



A Edges

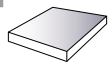
Natural glass veil
on reverse side

KEY FEATURES

- Impact-resistant to 15 km/h
- 7 available colors
- Acoustic absorption $\alpha_w = 1$
- Fire reaction:
A1 for the colors and A2-s1, d0 for white
- No sagging, humidity resistant
- IAQ: Class A+



System composition



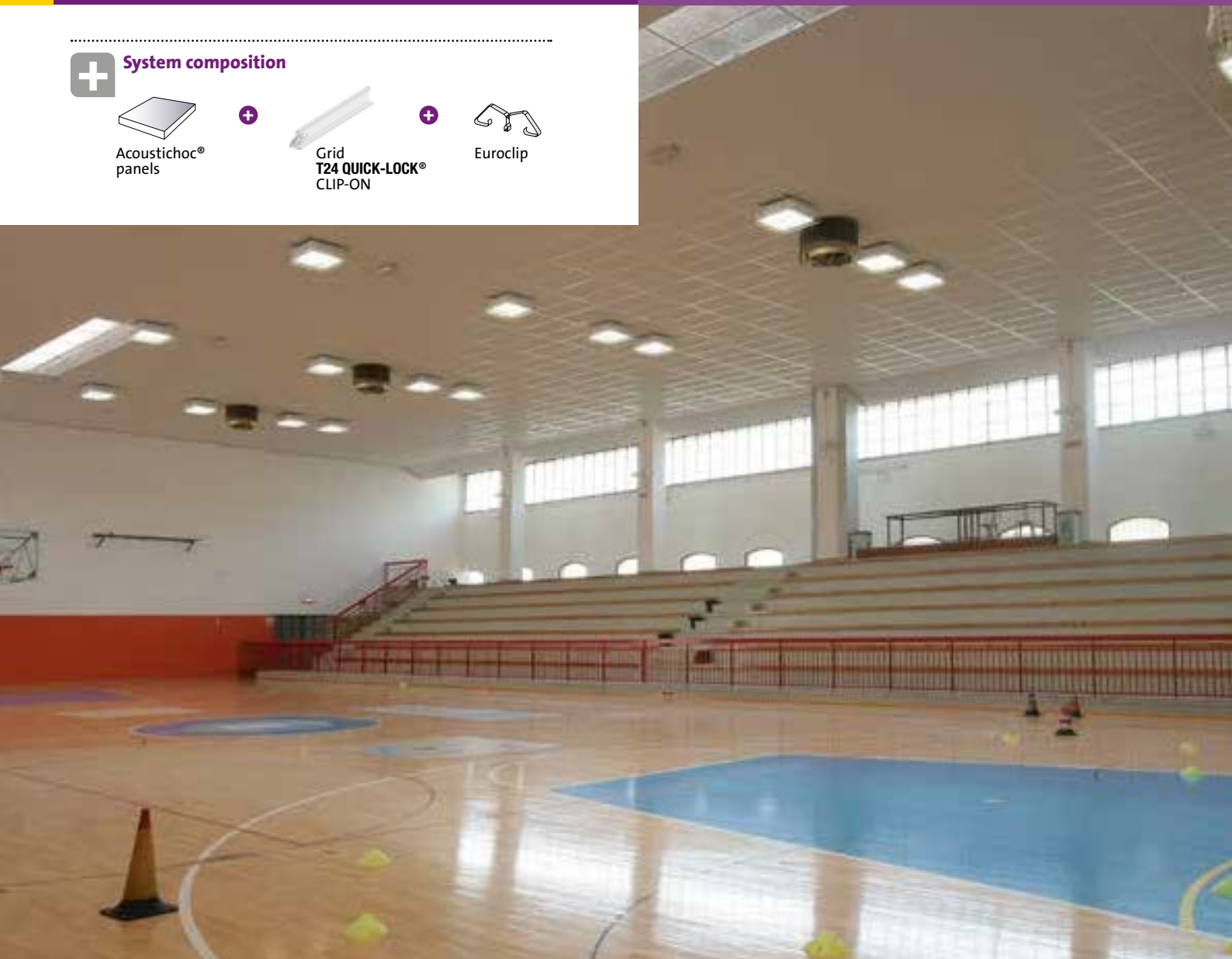
Acoustichoc®
panels



Grid
T24 QUICK-LOCK®
CLIP-ON



Euroclip



White



Beige



Blue



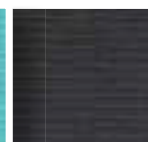
Grey



Yellow



Green



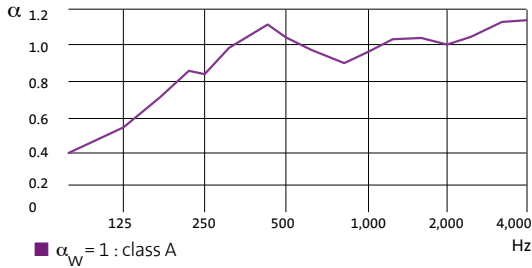
Black

Acoustichoc® Impact 15

> System comprising Acoustichoc® 22 mm panels, T24 QUICK-LOCK® CLIP-ON grids and Euroclips anti-lift clips.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1:
For white, Euroclass A2-s1, d0
For colors, Euroclass A1.



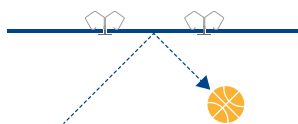
Humidity performance

- No sagging, humidity resistant.



Impact resistance

- For significant impacts: Class 3A: certified performance in accordance with the ball test methodology by the laboratory MFPA Leipzig GmbH, EN 13964 standard – appendix D.



Withstands more than 36 hard ball impacts at 15 km/h.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® Impact 15 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-06 (white) and 0007-07 (colors).



Indoor air quality

- Acoustichoc® Impact 15 ceilings are classed: A+.

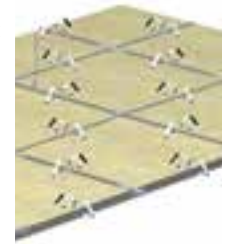


Installation

Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.

Acoustichoc® Impact 15 ceiling: 600 x 600 x 22 mm

- T24 runners should be arranged in parallel lines every 1200 mm. Every 600 mm, a 1200 mm cross tee is placed at right angle and a 600 mm cross tee is placed to close the 600 mm modules (+4 Euroclips/panel)



Acoustichoc® Impact 15 ceiling: 1200 x 600 x 22 mm

- T24 runners should be arranged in parallel lines every 1200 mm. Every 600 mm, a 1200 mm cross tee is fitted at right angles.

You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.

To install an Impact 15 system, the following components are required:

600 x 600 x 22 mm	5.6/m ² *
1200 x 600 x 22 mm	4.2/m ² *

* Number of clips per m² provided for guidance only; the exact number should be calculated according to the building's configuration.



Cleaning

- Use a light brush or a vacuum cleaner to clean the surface and thereby help extend the life of the Acoustichoc® ceilings.

AT A GLANCE

	Tiles
Color	White, Beige, Blue, Grey, Yellow, Green, Black
Edge	A
Grids	T24

Module size (mm)

Width	600	1200
Length	600	600
Thickness	22	22

Packaging

Products	Tiles 600 x 600	Tiles 1200 x 600	Euroclips
Unit/pack	20	10	100
m ² / pack	8.64	8.64	-
Packs/pallet	18	18	-
Service class	B	B	A

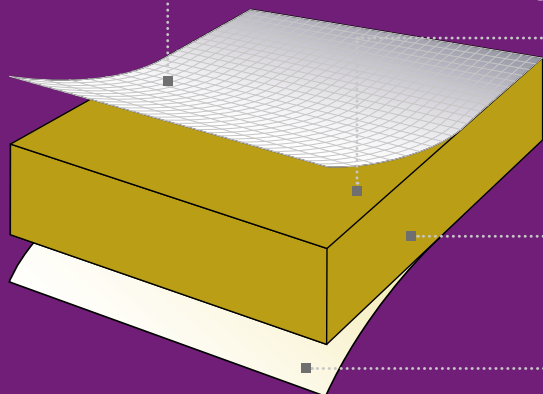
All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



Acoustichoc® Impact 30

Decorative glass fiber veil
in white or colours reinforced
with a glass grid

High density
stone wool panel,
40mm thick



A Edges

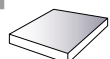
Natural glass veil
on reverse side

KEY FEATURES

- Impact-resistant to 30 km/h
- 7 available colors
- Acoustic absorption $\alpha_w = 1$
- Fire reaction:
A1 for the colors and A2-s1, d0 for white
- No sagging, humidity resistant
- IAQ: Class A+



System composition



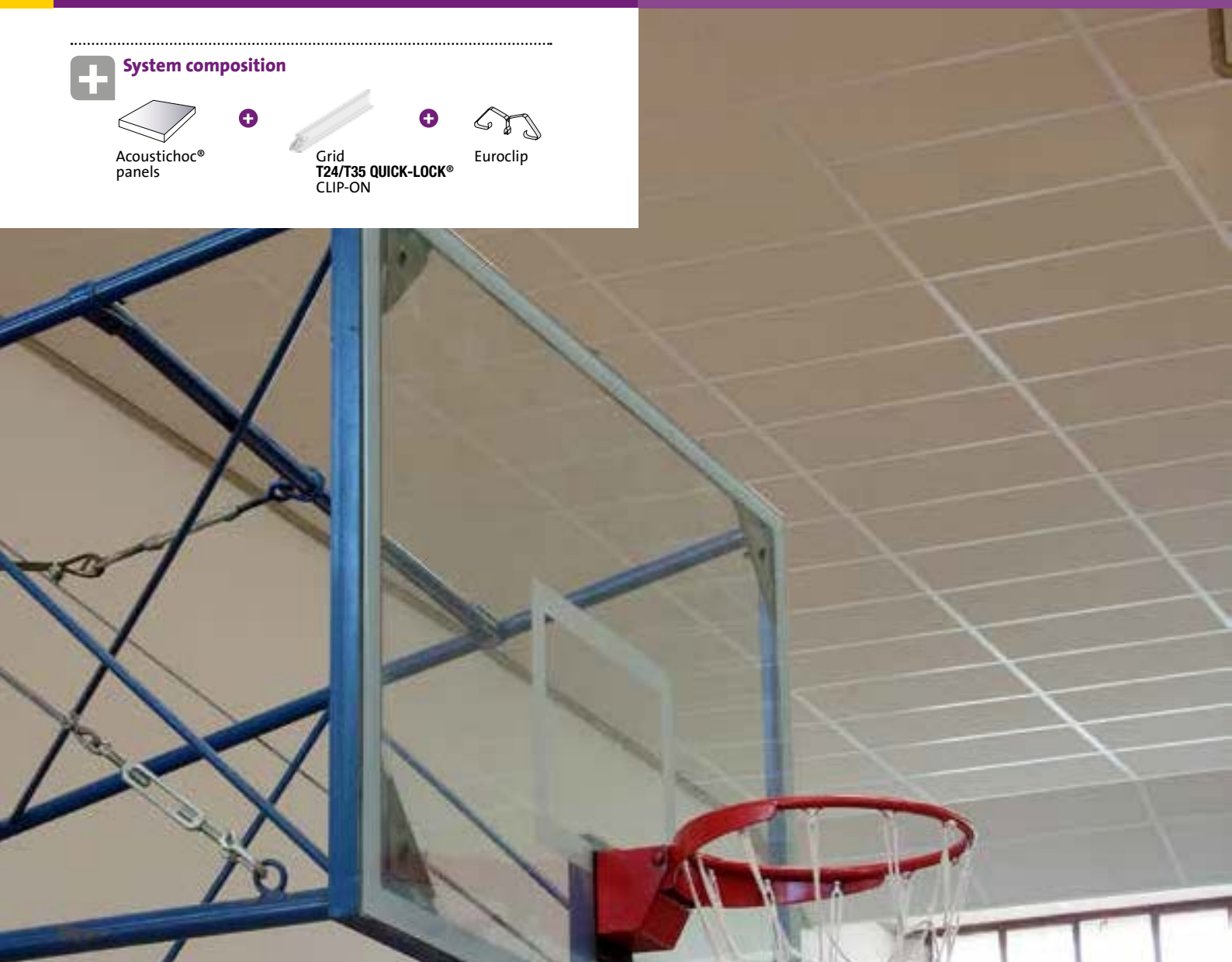
Acoustichoc®
panels



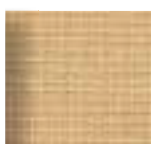
Grid
T24/T35 QUICK-LOCK®
CLIP-ON



Euroclip



White



Beige



Blue



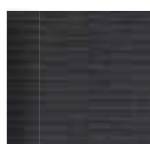
Grey



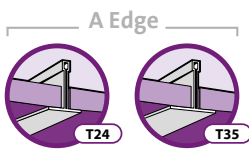
Yellow



Green



Black

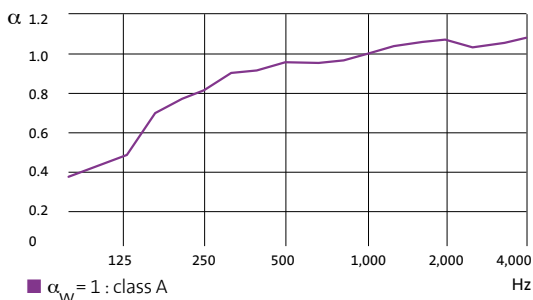


Acoustichoc® Impact 30

> System comprising Acoustichoc® 1200 x 600 x 40 mm or 1500 x 1000 x 40 mm panels, **QUICK-LOCK® CLIP-ON T24/T35** grids and Euroclip anti-lift clips.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: For white, Euroclass A2-s1, d0. For colors, Euroclass A1.



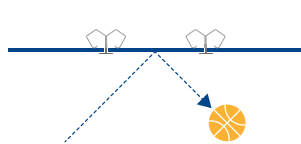
Humidity performance

- No sagging, humidity resistant.



Impact resistance

- For significant impacts: Class 2A: certified performance in accordance with the ball test methodology by the laboratory MFPA Leipzig GmbH, EN 13964 standard – appendix D.



Withstands more than 36 hard ball impacts at 30 km/h.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustichoc® Impact 30 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-06 (white) and 0007-07 (colors).



Indoor air quality

- Acoustichoc® Impact 30 ceilings are classed: A+.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.

Acoustichoc® Impact 30 ceiling: 1200 x 600 x 40 mm

- T24 runners should be arranged in parallel lines every 1200 mm. Every 600 mm, a 1200 mm cross tee is fitted at right angles.

Acoustichoc® Impact 30 ceiling: 1500 x 1000 x 40 mm

- T35 runners should be arranged in parallel lines every 1,500 mm. Every 1,000 mm, a 1,500 mm cross tee is fitted at right angles.



You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling. To install an Impact 30 system, the following components are required

Tiles	Euroclips
600 x 1200 x 40 mm	4.2/m ² *
1000 x 1500 x 40 mm	2/m ² *

* Number of clips per m² provided for guidance only; the exact number should be calculated according to the building's configuration.



Cleaning

- Use a light brush or a vacuum cleaner to clean the surface and thereby help extend the life of the Acoustichoc® ceilings.

AT A GLANCE

	Tiles
Color	White, Beige, Blue, Grey, Yellow, Green, Black
Edge	A
Grids	T24 - T35

Module size (mm)

	600	1000
Width	600	1000
Length	1200	1500
Thickness	40	40

Packaging

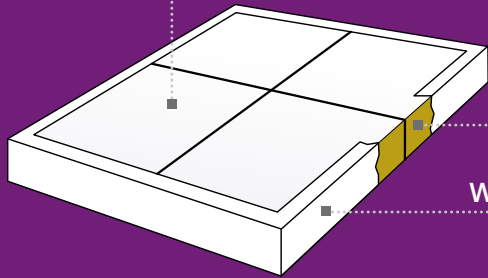
Products	Tiles 1200 x 600	Tiles 1000 x 1500	Euroclips
Unit/pack	10	4	100
m ² / pack	7.2	6	-
Packs/pallet	12	14	-
Service class	B	B	A

All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



Insula®

Decorative glass fiber veil in white, Eurocolors or patterns

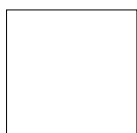


Stone wool panel

White aluminum frame

KEY FEATURES

- Great-looking solution that provides supplementary acoustic absorption
- Structuring of volumes and spaces
- 59 colors and patterns available
- Fire reaction: depending on the tile's filling
- No sagging, humidity resistant
- High-density panel

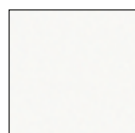


+



Filling panel
(46 Eurocolors)

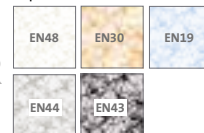
OR



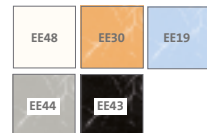
White 09

OR

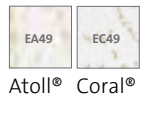
4 patterns :



Nuagé



Écume



Atoll® Coral®

Insula®

- > Island ceiling concept.
- > White aluminum frame 76 mm thick.
- > Eurocoustic filling panels.



Acoustic absorption

- The Insula® island concept enhances the acoustic performance of the decorative panels that fill it by combining direct and indirect absorption.



Direct absorption



Indirect absorption



Fire reaction

- According to standard EN 13501-1: Euroclass depending on the filling panel.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our filling panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).

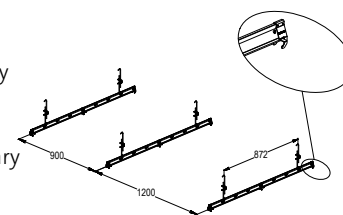


Installation

- Standard kit comprising: frame + grids + accessories. Hangers and upper fixing components must be obtained separately according to the type of supporting structure (timber, concrete, steel, etc.).

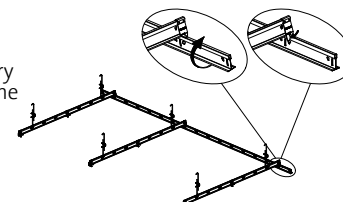
1

- Suspend the primary beams.
- Mount the Cross-Lock connectors to primary beams, positioning them at the slots.



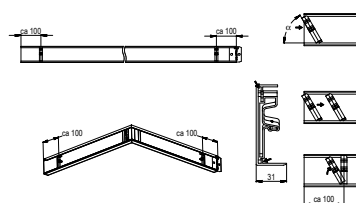
2

- Mount the secondary beams and secure the Cross-Lock connections by bending the tabs as indicated.



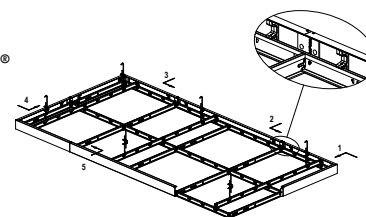
3

- Mount the Insula® edge clips at designated places.
- Twist-in at ca 100mm from profile ends.



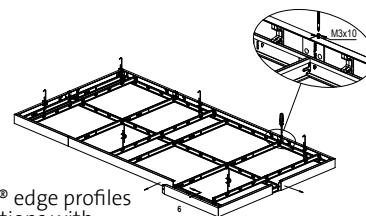
4

- Mount the Insula® corners and edge elements in designated order and directions.



5

- Mount the last Insula® corner.
- To create space, both adjoining parts should be moved outwards (ca 10mm).
- Secure the Insula® edge profiles & corners connections with the screws.
- Install the filling panels.



AT A GLANCE

Module size (mm)

Color	White / Eurocolors / Patterns / Boreal	
Width (mm)	1200	1200
Length (mm)	1200	2400
Weight (kg)	8.65	13.65

Packaging

Kit/pack	2	2
Service class	C	C

Ask us about other sizes

Filling panels to be ordered separately

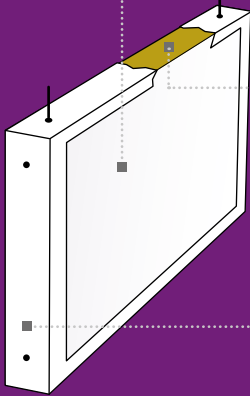
All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



*Filling panels

Eurobaffle®

White decorative glass fiber veil,
Eurocolors or patterns (on both sides)

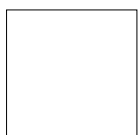


Stone wool panel

White lacquered
steel frame

KEY FEATURES

- Reduced acoustic reverberation
- Ensures acoustic correction while preserving volume and natural light
- No sagging, humidity resistant
- A wide range of colors
- Constraint-free installation with variable spacing and heights



+



Filling panel
(46 Eurocolors)

OR



White 09

OR

4 patterns :



Nuagé



Écume

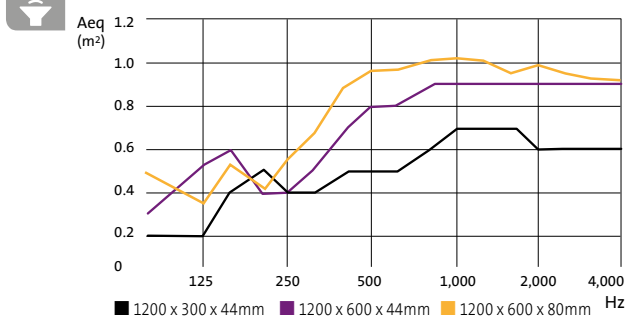


Atoll® Coral®

Eurobaffle®

- > Vertical absorption panel.
- > Rigid stone wool panel inserted on four sides in a white lacquered frame of galvanized steel.
- > Decorative veil on both visible sides.

Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass depending on the filling.

Humidity performance

- Our panels are guaranteed to lose none of their rigidity in humid conditions.
- Pools: due to the risk of corrosion in chlorine environments, contact us for details about our range of frames and accessories with superior anti-corrosion protection.

Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our fill panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

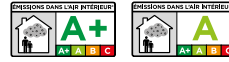
- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).

CE marking

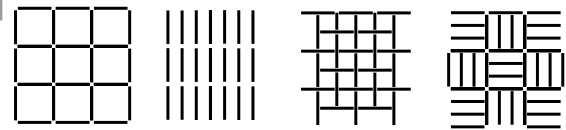
- DoP no.: 0007-01 for white.
- DoP no.: 0007-02 for colors.
- DoP no.: 0007-04 for painted white.

Indoor air quality

- Eurobaffle® ceilings are classed: A+ or A, depending on the filling.

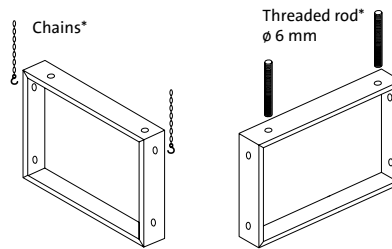


Installation



- The product must be fitted in accordance with the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.

Example:



* Hangers not supplied.

AT A GLANCE

Color/finish	White	Eurocolors/Patterns Boreal
--------------	-------	----------------------------

Module size (mm)

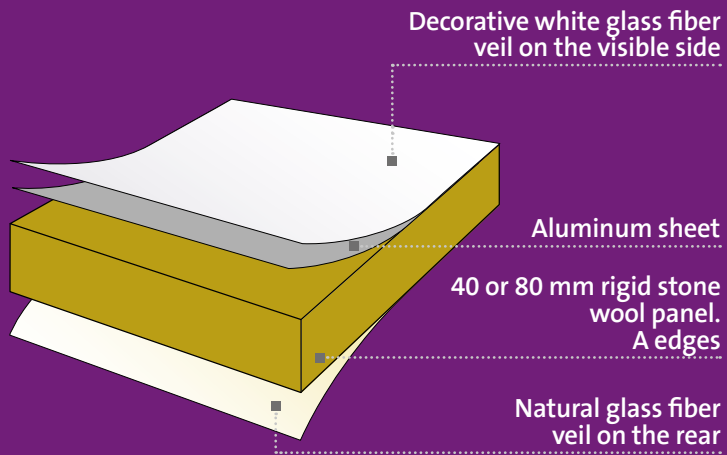
	300	600	600	300	600	600
Width	300	600	600	300	600	600
Length	1200	1200	1200	1200	1200	1200
Thickness	44	44	80	44	44	80
Other dimensions, colored or aluminum frame	Contact us					

Packaging

Panels/pack	12	6	4	12	6	4
m² / pack	4.32	4.32	2.88	4.32	4.32	2.88
Packs/pallet	14	14	14	14	14	14
Service class	A	A	B	C	C	C

Eurobaffle® ceiling packs are shrink-wrapped for protection Pallets are wrapped in plastic film and must be stored under cover.



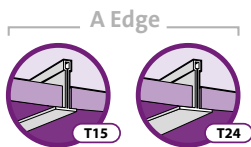


KEY FEATURES

- Sound insulation up to 38 dB
- Fire reaction: A1
- No sagging, humidity resistant
- High density panel
- Thermal resistance:
 - 1.10 m². K/W (40 mm)
 - 2.25 m². K/W (80 mm)
- Installation under cold roof possible



White 94

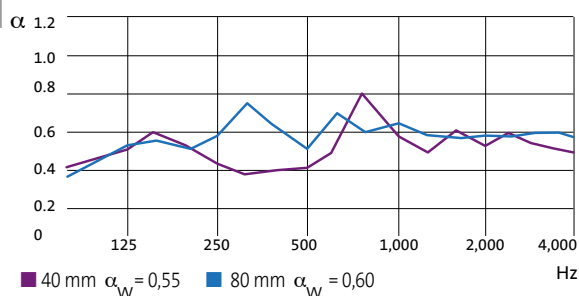


Alizé®

- > Rigid stone wool self-supporting panel.
- > Complex glass fiber veil and aluminum sheet.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T15 and T24 grids.



Acoustic absorption



Lateral sound insulation

- Alizé® ceilings with an incorporated Eurocoustic (Acoustipan®) barrier improve lateral sound insulation between two rooms.

Thickness	Barrier		D _{n,f,w} (C; Ctr) dB
40 mm	+ Acoustipan®		48 (-2,-8)
40 mm	-		38 (-2,-8)



Light reflection

- Reflection coefficient for light greater than 81% in white.



Fire reaction

- Euroclass A1 according to EN 13501-1.



Fire resistance

- Alizé® ceilings (600 x 600 x 40 mm) installed on a T24 grid (see test report) satisfy the requirements of Section CO13 in the French fire regulations for public-access buildings.

Rating	Module (mm)	Load-bearing structures	Additional insulation
REI 30	600 x 600	Concrete, Steel	No
REI 30	600 x 600	Timber, Concrete, Steel	160 mm Eurolene® 603 + 0 to 200 mm of insulation

- Alizé® ceilings (1200 and 600 x 600 mm) installed on a T24 grid (see test report) are SF 30 according to Belgian standard NBN 713-020.

Thermal-acoustic insulation

To increase the thermal-acoustic insulation, you are advised to lay insulation of 0 to 200 mm (max R ≈ 5 m².K/W) bare or with an aluminum vapor barrier (details on p. 25).



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Alizé® ceilings offer thermal resistance* of:

Thickness	Thermal resistance
40 mm	R = 1.10 m ² .K/W*
80 mm	R = 2.25 m ² .K/W

*According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Alizé® panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor air quality

- Alizé® products are classed: A.



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Alizé® ceilings are installed on T15 or T24 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- Use a light brush or a vacuum cleaner to clean the surface and thereby help extend the life of the Alizé® ceilings.

AT A GLANCE

Color	White (94)
Edge	A
Grids	T15 - T24

Module size (mm)

	600	600	600	600
Width	600	600	600	600
Length	600	1200	600	1200
Thickness	40	40	80	80

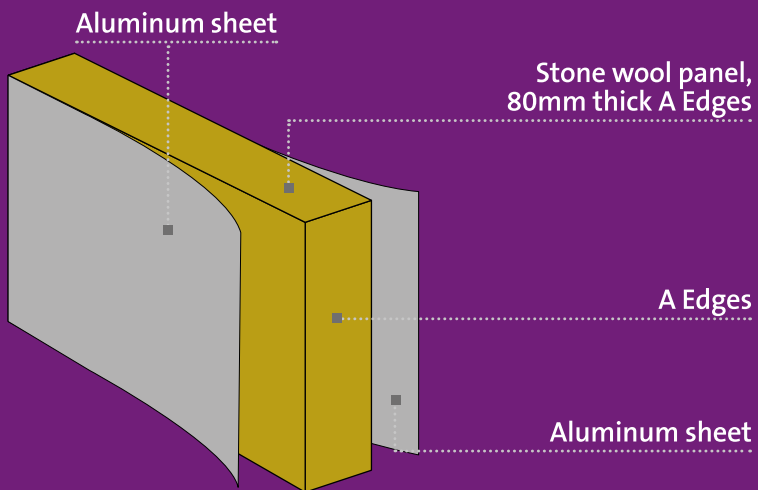
Packaging

Panels/pack	20	10	12	6
m ² / pack	7.20	7.20	4.32	4.32
Packs/pallet	12	12	10	10
Service class	A	A	A	A

All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



Acoustipan®



KEY FEATURES

- Acoustic barrier for an added 11 dB in sound insulation
- No sagging, humidity resistant
- IAQ: Class A



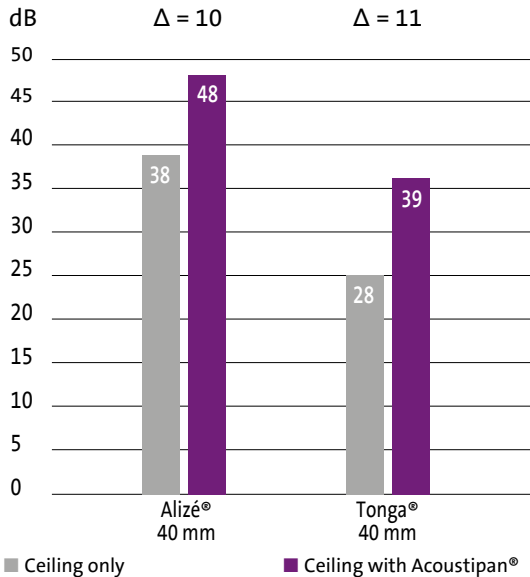
Acoustipan®

- > Rigid stone wool self-supporting panel.
- > Covered on both sides with a sheet of aluminum.



Lateral sound insulation

- Acoustipan® reduces lateral transmissions between two spaces.



Fire reaction

- According to standard EN 13501-1: Euroclass A2-s1, d0.



Empty spaces in plenums or attics

- Inaccessible attics and the existing gap between the floor and the suspended ceiling must be filled with materials featuring a M0 fire protection rating or by firewalls with a 15-minute rating.
- The maximum surface of these spaces must not exceed 300 m², and the longest side must not exceed 30 m.
- This is not required if the empty spaces above are protected by an automatic water sprinkling network or are inside a compartment.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Acoustipan® panels offer thermal resistance* of:

Thickness	Thermal resistance
80 mm	R = 2.35 m ² .K/W

*According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-103.

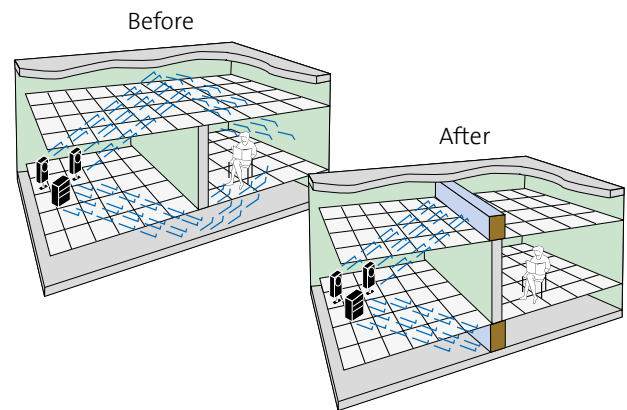


Indoor air quality

- Acoustipan® panels are classed: A.



Installation



AT A GLANCE

Module size (mm)

Width	600	1000
Length	1200	1200
Thickness	80	80

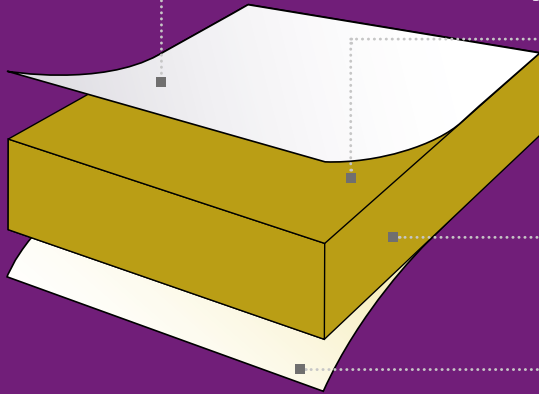
Packaging

Panels/pack	5	3
m ² / pack	3.6	3.6
Packs/pallet	12	10
Service class	A	C

Acoustipan® panels are shrink-wrapped for protection and sold by the pallet. Pallets are wrapped in plastic film and must be stored under cover.

Acoustished® A 40

Decorative glass in white or Eurocolors (seven colours)




High density stone wool panel, 40mm thick

A Edges

Natural glass veil on reverse side

KEY FEATURES

- Acoustic absorption $\alpha_w = 1$
- Fire reaction: A1 for white and A2-s1, d0 for colors
- No sagging, humidity resistant
- High density panel
- Module 1500 x 1000 mm
- Superior flexural strength
- IAQ: Class A+
- Compatible with French thermal building regulations
- ACERMI-certified 
- Can be fitted in ceilings and walls



White 09



EC02
EuroTournesol



EC07
EuroPomme



EC16
EuroAzur



EC27
EuroBruyère



EC28
EuroFraise



EC43
EuroNoir



EC45
EuroPerle

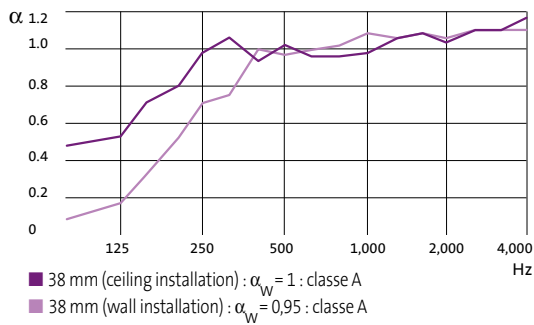


Acoustished® A 40

- > Rigid 40 mm stone wool self-supporting panel. Decorative glass fiber veil on the visible side. Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T35 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1:
For white, Euroclass A1.
For colors, Euroclass A2-s1, d0.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Acoustished® A 40 ceilings offer thermal resistance* measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
38 mm	1.10 m². K/W

- Compatible with French thermal building regulations



Resistance to bending

- According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:
- The maximum atmospheric conditions to which tiles may be exposed (humidity (%)) and temperature (°C) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% Temperature ≤ 25°C.
B	Humidity ≤ 90% Temperature ≤ 30°C.
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation
D	Conditions more extreme than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²).
- Acoustished® A 40 ceilings in all dimensions, including the largest, are classed:
- With distributed load: C/130 N/m²



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® A 40 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Acoustished® A 40 ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management Systems".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) and 0007-13 (colors).



Indoor air quality

- Acoustished® A 40 ceilings are classed: A+.



Installation

Ceilings

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® A 40 ceilings are installed on T35 grids.

Walls

- Installation must conform to Eurocoustic's recommendations as described on p. 127 (wall installation).
- Tiles can be cut with a craft knife without generating any noise or dust when fitting in ceilings and walls.



Cleaning

- The surface of Acoustished® A 40 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® A 40 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® A 40 ceilings.

AT A GLANCE

Color	White 09	Seven Eurocolors
Edge	A	
Grids	T35	

Module size (mm)

Installation type	Installation between supports			Installation as ceiling
Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	38	38	38	38

Packaging

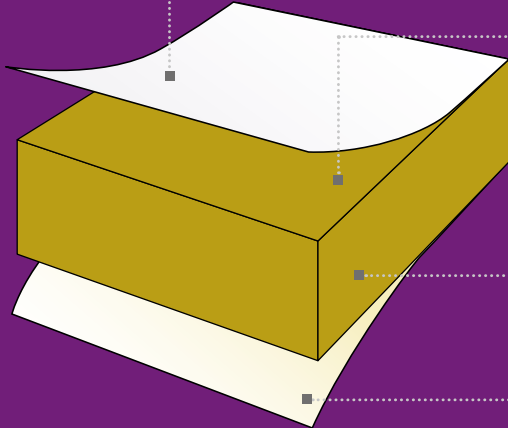
Panels/pack	8	8	8	8
m² / pack	10.38	10.85	15.72	12.00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Acoustished® A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Acoustished® A 80

Decorative glass fiber veil in white or Eurocolors (seven colours)




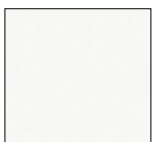
High density stone wool panel, 80mm thick

A Edges

Natural glass veil on reverse side

KEY FEATURES

- Acoustic absorption $\alpha_w = 1$
- Thermal resistance: 2.20 m².K/W
- No sagging, humidity resistant
- High density panel
- Module 1500 x 1000 mm
- Superior flexural strength
- IAQ: Class A+
- Compatible with French thermal building regulations
- ACERMI-certified 
- Can be fitted in ceilings and walls



White 09



EC02
EuroTournesol



EC07
EuroPomme



EC16
EuroAzur



EC27
EuroBruyère



EC28
EuroFraise



EC43
EuroNoir



EC45
EuroPerle

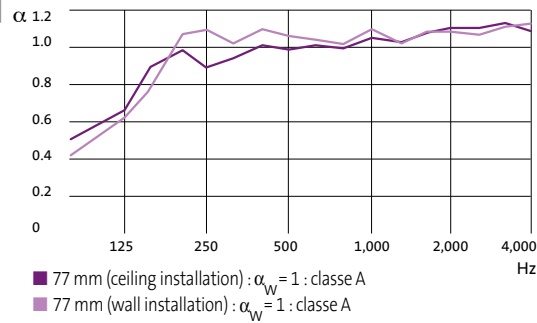


Acoustished® A 80

- > Rigid 80 mm stone wool self-supporting panel.
- > Decorative glass fiber veil on the visible side.
- > Reinforced on the rear with a natural glass fiber veil.
- > Designed for use with T35 grids.



Acoustic absorption



Light

- **Light reflection:** Light reflection coefficient superior to 87% for white.
- **White:** L = 94.8% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.75% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.
- **Natural light intake:** 6% improvement in natural light distribution.
- **Lighting needs:** an 11% reduction in artificial lighting needs.



Fire reaction

- According to standard EN 13501-1:
For white, Euroclass A1.
For colors Euroclass A2-s1, d0.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Acoustished® A 80 ceilings offer thermal resistance* measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m².K/W

- Compatible with French thermal building regulations



Resistance to bending

- According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:
- The maximum atmospheric conditions to which tiles may be exposed (humidity (%) and temperature (°C)) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% / Temperature ≤ 25°C.
B	Humidity ≤ 90% / Temperature ≤ 30°C.
C	Humidity ≤ 95% / Temperature ≤ 30°C + risk of condensation
D	Conditions more extreme than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²). Acoustished® A 80 ceilings in all dimensions, including the largest, are classed:
- With distributed load: C/195 N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® A 80 panels is 45%.
- For projects based on NFHQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr.
- Acoustished® A 80 ceilings contribute towards 7 of the 14 targets in the NFHQE™ assessment. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 "Environmental Management Systems".

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-12 (white) and 0007-13 (colors).



Indoor air quality

- Acoustished® A 80 ceilings are classed: A+.



Installation

Ceilings

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® A 40 ceilings are installed on T35 grids.

Walls

- Installation must conform to Eurocoustic's recommendations as described on p. 127 (wall installation).
- Tiles can be cut with a craft knife without generating any noise or dust when fitting in ceilings and walls.



Cleaning

- The surface of Acoustished® A 80 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® A 80 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® A 80 ceilings.

AT A GLANCE

Color	White 09	Seven Eurocolors
Edge	A	
Grids	T35	

Module size (mm)

Installation type	Installation between supports			Installation as ceiling
Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	77	77	77	77

Packaging

Panels/pack	4	4	4	4
m² / pack	5.19	5.43	7.86	6.00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Acoustished® A 80 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Acoustished® CV A 40

Decorative glass fiber veil in white

High density
stone wool panel,
38mm thick

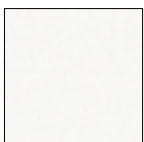
Aluminum
sheet

A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Resistance to airflow and water vapor
- Thermal resistance: $R = 1.10 \text{ m}^2 \cdot \text{K/W}$
- Can be fitted beneath a cold roof
- Excell Zone Verte hygiene hallmark for food processing facilities and wineries
- Fire reaction: A1
- No sagging, humidity resistant
- Superior flexural strength



White 94

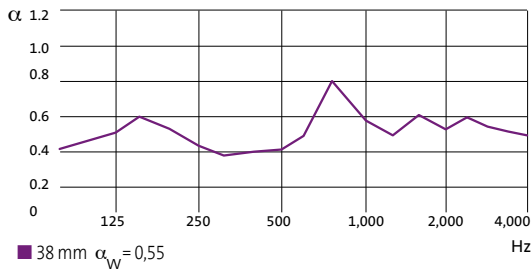


Acoustished® CV A 40 New

- > Rigid 38 mm stone wool panel.
- > Oversize dimensions
- > Covered with a glass fiber veil and aluminum sheet sandwich construction.
- > Reinforced on the rear with a natural glass fiber veil.



Acoustic absorption



Light

- **Light reflection:** The light reflection coefficient is > 80% for the veil.
- **White:** L = 92% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.43% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Resistance to airflow

- Acoustished® CV A 40 panels are resistant to the flow of air.



Resistance to water vapor

- Acoustished® CV A 40 panels are resistant to water vapor.



Thermal resistance

- Acoustished® CV A 40 ceilings offer thermal resistance* measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
38 mm	1.10 m ² .K/W

- Compatible with French thermal building regulations.



Resistance to bending

According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:

- The maximum atmospheric conditions to which tiles may be exposed (humidity (%) and temperature (°C)) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% Temperature ≤ 25°C
B	Humidity ≤ 90% Temperature ≤ 30°C
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation
D	Harsher conditions than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²).

Acoustished® CV A 40 ceilings in all dimensions, including the largest, are Class C/130N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® CV A 40 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System)

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor air quality

- Class A
- Excell Zone Verte hygiene hallmark



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® CV A 40 ceilings are installed on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Acoustished® CV A 40 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® CV A 40 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® CV A 40 ceilings.

AT A GLANCE

Color	White 94
Edge	A
Grids	T35

Module size (mm)

Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	38	38	38	38

Packaging

Panels/pack	8	8	8	8
m ² / pack	10.38	10.85	15.72	12.00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Acoustished® CV A 40 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Acoustished® CV A 80

Decorative glass fiber veil in white

High density
stone wool panel,
77mm thick

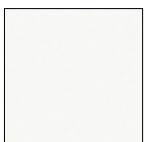
Aluminum
sheet

A Edges

Natural glass veil
on reverse side

KEY FEATURES

- Resistance to airflow and water vapor
- Thermal resistance: $R = 2.20 \text{ m}^2 \cdot \text{K/W}$
- Can be fitted beneath a cold roof
- Excell Zone Verte hygiene hallmark for food processing facilities and wineries
- Fire reaction: A1
- No sagging, humidity resistant
- Superior flexural strength



White 94



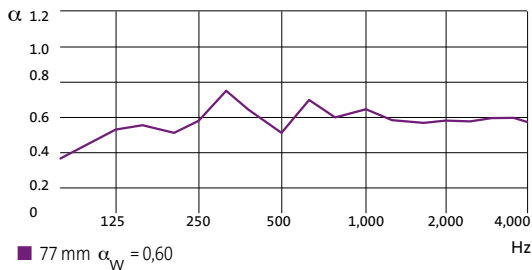
Acoustished® CV A 80

New

- > Rigid 77 mm stone wool panel.
- > Oversize dimensions
- > Covered with a glass fiber veil and aluminum sheet sandwich construction.
- > Reinforced on the rear with a natural glass fiber veil.



Acoustic absorption



Light

- **Light reflection:** The light reflection coefficient is > 80% for the veil.
- **White:** L = 92% - according to ISO 11664-4.
- **Brightness:** matt - gloss level of 0.43% at an angle of 85° according to ISO 2813.
- **Light diffusion:** 100% of the light is diffused.



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Resistance to airflow

- Acoustished® CV A 80 panels are resistant to the flow of air.



Resistance to water vapor

- Acoustished® CV A 80 panels are resistant to water vapor.



Thermal resistance

- Acoustished® CV A 80 ceilings offer thermal resistance * measured according to EN 12667 and are ACERMI-certified according to EN 13162:

Thickness	Thermal resistance
77 mm	2.20 m ² .K/W

- Compatible with French thermal building regulations.



Resistance to bending

- According to EN 13964 - Annex F, resistance to bending is expressed according to two criteria:
- The maximum atmospheric conditions to which tiles may be exposed (humidity (%) and temperature (°C)) are expressed in classes from A to D:

Class	Exposure conditions
A	Humidity ≤ 70% Temperature ≤ 25°C
B	Humidity ≤ 90% Temperature ≤ 30°C
C	Humidity ≤ 95% Temperature ≤ 30°C + risk of condensation
D	Harsher conditions than above

- The type of load is expressed for a distributed load in N/m² (10 N/m² = 1 kg/m²).
- Acoustished® CV A 80 ceilings in all dimensions, including the largest, are Class C/195N/m².



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustished® CV A 80 panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0007-08.



Indoor air quality

- Class A
- Excell Zone Verte hygiene hallmark



Installation

- Installation must conform to the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- You are advised to ensure that air can circulate between the rooms and the plenum to balance the temperature and pressures on each side of the ceiling.
- Acoustished® CV A 80 ceilings are installed on T35 grids.
- Tiles can be cut with a craft knife without generating any noise or dust.



Cleaning

- The surface of Acoustished® CV A 80 ceilings does not retain dust, which makes them easier to clean.
- Acoustished® CV A 80 ceilings can be cleaned with a light brush or vacuum cleaner.
- This type of cleaning will help extend the service life of Acoustished® CV A 80 ceilings.

AT A GLANCE

Color	White 94
Edge	A
Grids	T35

Module size (mm)

Width	990	990	990	1000
Length	1310	1370	1985	1500
Thickness	77	77	77	77

Packaging

Panels/pack	4	4	4	4
m ² / pack	5.18	5.43	7.84	6.00
Packs/pallet	8	8	8	8
Service class	C	C	C	A

Acoustished® CV A 80 ceiling packs are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.

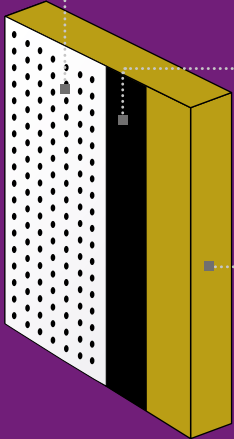


Acoustiroc®

Sheet metal with epoxy paint in white or colour

Black glass fiber veil

Stone wool panel, 40mm thick

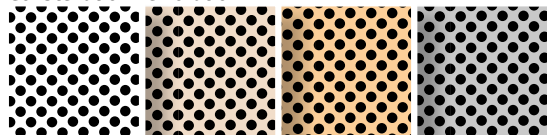


KEY FEATURES

- Wall acoustic absorption solution
- Impact resistance
- No sagging, humidity resistant
- Two types of perforation
- Colors on request
- IAQ: Class A+

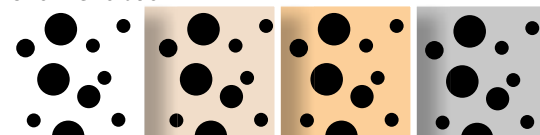


Constellation Perforation



White Light ivory Peach Gray

Orion Perforation



White Light ivory Peach Gray

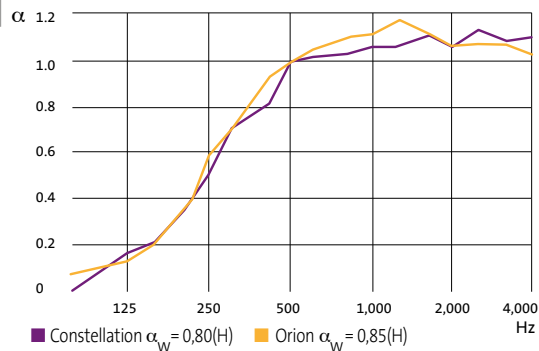
Contact us for other RAL

Acoustiroc®

- > Rigid 40 mm stone wool panel.
- > Covered with a black glass fiber veil glued to a white or colored (epoxy paint) perforated and re-edged steel sheet (thickness 75/100).



Acoustic absorption



Direct acoustic insulation

- Placopan® 5A partition: Dnat Rose = 30 dB(A).
- Placopan® 5A partition + Acoustiroc®: Dnat Rose = 36 dB(A). Measured by the Technology Training Center in Andrésy.



Fire reaction

- M1 classification.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

Thickness	Thermal resistance
40 mm	R = 1.10 m².K/W

* According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled. The recycled content of our Acoustiroc® panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



Indoor air quality

- Acoustiroc® ceilings are classed: A+.



Installation

- See page 128.

AT A GLANCE

Color	White / Light ivory / Peach / Gray	
Perforations	Constellation	Orion
% Perforations	30	25
Hole Ø (mm)	2	3 to 7
Hole center	3.5	-

Module size (mm)

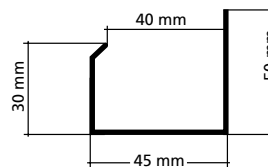
Width	800
Length	2700
Panel thickness	40
Sheeting thickness	75/100
Return	38 mm

Packaging

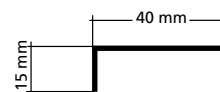
Panels/pack	2	2
m² / pack	4.32	4.32
Packs/pallet	8	8
Service class	C	C

Accessories

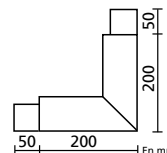
Products	Acoustiroc® Profile	Right angle corner profile	Wedge	Clip	Internal joint
m² / pack	2.8		2.7		
Packs/pallet	6	4	6	50	10
Service class	C	C	C	C	C



Acoustiroc® profile



Acoustiroc® wedge



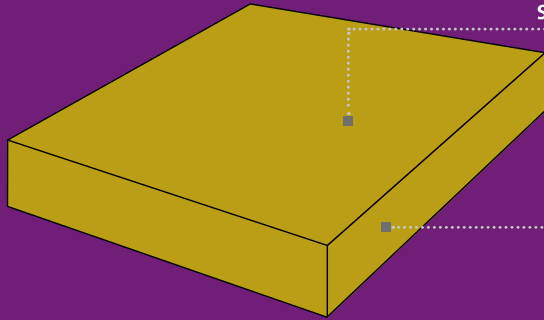
White Acoustiroc® angles

All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



Eurolene®

Rigid 45, 50 or 160mm
stone wool panel



A Edges

KEY FEATURES

- Complementary thermal-acoustic insulation
- For stone/brick built partitions, plenum and drywalls
- Fire reaction: A1



Eurolene®

> Rigid 45, 50 and 160 mm stone wool panel.



Acoustic insulation

- Eurolene® panels are used to create efficient partitions with insulation values of 30-60 dB depending on the concept of the ceiling.



Fire reaction

- Euroclass A1 according to EN 13501-1.



Fire resistance

- Eurolene 603 panels, thickness 160 mm.
- Eurolene® panels are essential products for obtaining REI 30-rated fire resistance for Tonga® A 22, Tonga® A 40, Tonga® E 20, Tonga® Ultra Clean A 22, Tonga® Ultra Clean HP A 22, Tonga® Ultra Clean A 40, Tonga® Ultra Clean E 20, Acoustichoc® A 22, Acoustichoc® A 40, Alizé® and Acoustished® CV A 40 ceilings on a timber supporting structure.



Humidity performance

- No sagging, humidity resistant.
- Immune to variations in atmospheric humidity and water vapor coming through the walls.

Water behavior

- Non-hydrophilic according to tests by the LNE laboratory.
- Tests conducted according to the NF P 75.302 standard have shown that Eurolene® panels are completely resistant to water penetration caused by gravity.
- Eurolene® does not retain water and can withstand accidental infiltration without any deterioration.



Thermal resistance

- Eurolene® panels offer thermal resistance* of:

Eurolene®	Thickness	Thermal resistance
603	160 mm	R = 4.30 m².K/W
604	45 mm	R = 1.20 m².K/W
605	50 mm	R = 1.40 m².K/W
607	50 mm	R = 1.40 m².K/W
609	50 mm	R = 1.40 m².K/W

* According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- The recycled content of our Eurolene® panels is 45%.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-100 for Eurolene® 603 and 604.
- DoP no.: 0001-101 for Eurolene® 605, 607 and 609.

AT A GLANCE

Module size (mm)

Eurolene®	603	604	605	607	609
Width	600	600	600	600	600
Length	1200	1200	1200	1200	1200
Thickness	160	45	50	50	50
Mass weight	30 kg/m³	40 kg/m³	50 kg/m³	70 kg/m³	90 kg/m³

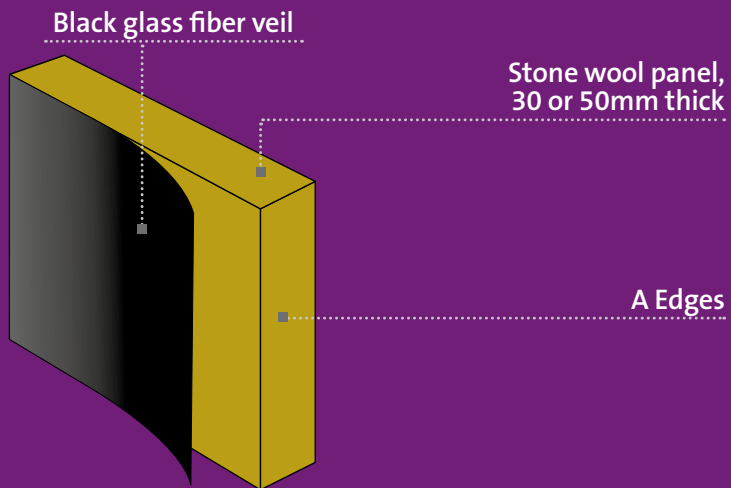
Packaging

Panels/pack	2.16	8.64	8.64	5.76	5.76
m² / pack	3	12	12	8	8
Packs/pallet	10	8	8	12	12
Service class	B	B	B	B	B

All Eurocoustic packs are shrink-wrapped. Pallets are wrapped in plastic film and must be stored under cover.



Protisol®



KEY FEATURES

- Additional thermal-acoustic insulation
- Can be incorporated into insulating covers, baffles, partitions and insulating cladding
- Acoustic absorption: α_w = up to 1 (50 mm)
- Fire reaction: A1
- No sagging, humidity resistant
- Thermal resistance: $1.35 \text{ m}^2 \cdot \text{K/W}$
- Non-combustible

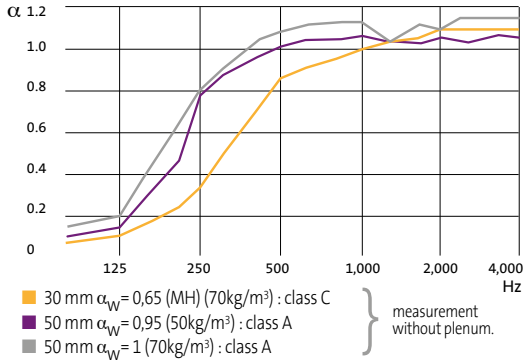


Protisol®

- > 30 or 50 mm rigid stone wool panel.
- > Covered with a black glass fiber veil.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Thermal resistance

- Protisol® panels offer thermal resistance* of:

Thickness	Thermal resistance
50 mm	R = 1.35 m ² . K/W

* Valid for densities of 50 kg/m³ and 70 kg/m³. According to standard EN 13162



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-104.

AT A GLANCE

Module size (mm)

Width	600	600	1200	1200
Length	1200	1200	1200	1200
Thickness	50	50	30	50
Mass weight	50 kg/m ³	70 kg/m ³	70 kg/m ³	70 kg/m ³

Packaging

m ² / pack	8.64	5.76	11.52	5.76
Panels/pack	12	8	8	4
Packs/pallet	8	12	10	12
Service class	B	B	B	B

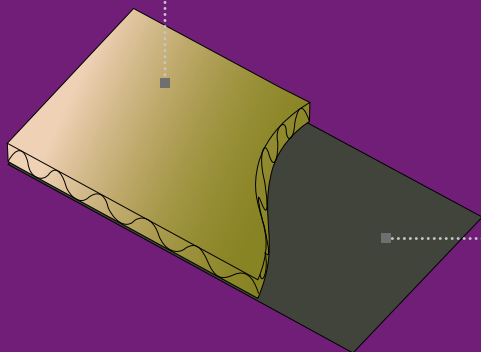
Ask us about other dimensions, thicknesses, densities, surface finishes and minimum order quantities.

Note: the veil must be overlapped lengthwise by 15 mm.

Protisol® ceiling packs are shrink-wrapped for protection Pallets are wrapped in plastic film and must be stored under cover.

Eurobac[®]

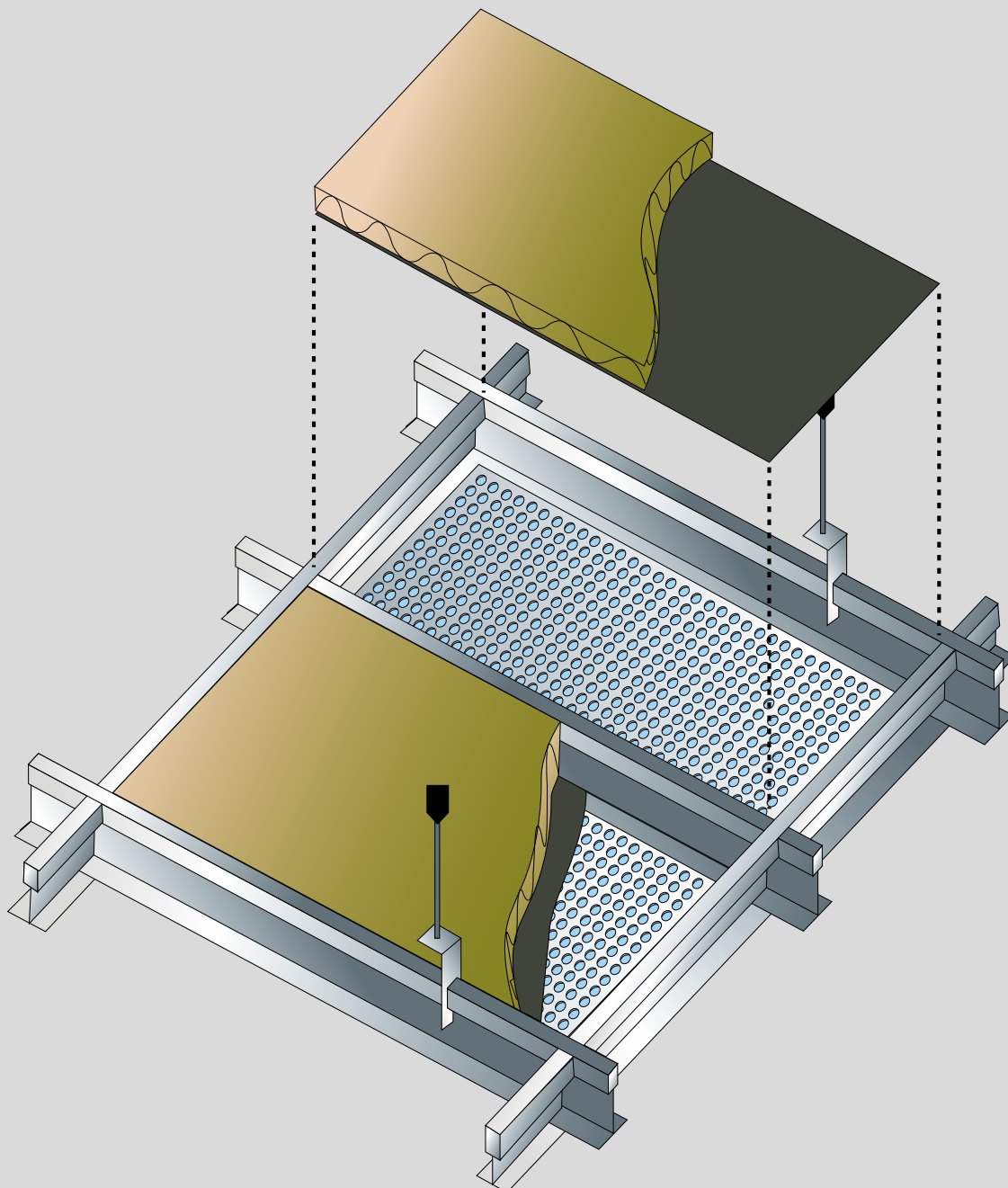
30mm thick stone wool panel



Black glass fiber veil

KEY FEATURES

- Suitable for integration into metal ceilings, linear strips and panels
- Acoustic absorption: $\alpha_w = 1$
- Fire reaction: A1
- Black glass fiber veil that helps reduce dust from spreading inside the area

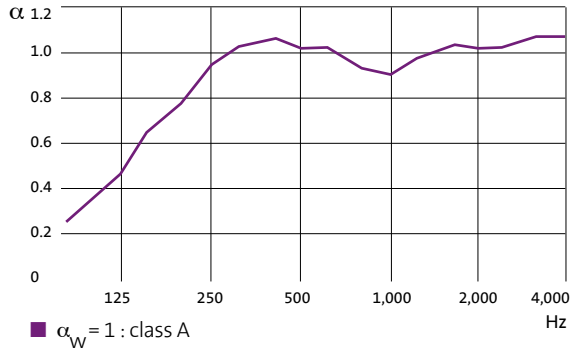


Eurobac®

- > 30 mm rigid stone wool panel.
- > Covered with a black glass fiber veil.



Acoustic absorption



Fire reaction

- According to standard EN 13501-1: Euroclass A1.



Humidity performance

- No sagging, humidity resistant.



Environment and health

Environment

- Mineral wool is recyclable, and the vast majority of production waste is recycled.
- For projects based on NF HQE™, LEED® and BREEAM® construction principles, the verified Environmental & Health Product Declarations are available at www.inies.fr. Please contact us for more information about environmental certification.
- Eurocoustic is ISO 14001: 2004 certified (Environmental Management System).

Health

- Stone wool panels are manufactured with fibers exempt from the carcinogenic classification (European Regulation 1272/2008 as amended by European Regulation 790/2009). According to the International Agency for Research on Cancer, mineral wool is not classifiable as to its carcinogenicity to humans (Group 3).



CE marking

- DoP no.: 0001-104.

AT A GLANCE

Module size (mm)

Width	300	600
Length	1200	1200
Thickness	30	30

Packaging

Panels/pack	288	20
m ² / pack	103.68	14.4
Packs/pallet	1	8
Service class	C	C

Eurobac® panels are shrink-wrapped for protection. Pallets are wrapped in plastic film and must be stored under cover.



Appendices

Eurocolors	112
Finishes	116
Performance summary	120
Installation	122
References	128

Colors

Bring your ceiling to life

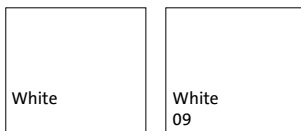
Colors convey emotions, create atmosphere, help add personality to a room and can also enhance its functionality.

Therefore, the choice of colors has a substantial impact on the lives of occupants by creating environments that are conducive to work, relaxation, shopping and so on.

WHITES

White, the color of snow and light, symbolizes purity and innocence. It can be perfectly combined with all other colors.

Satin (Boreal finish) and brilliant White 09 (closest to pure white) – Eurocoustic's palette of whites offers you a number of choices for clean, harmonious spaces.



YELLOWS

Yellow, the color of the sun, symbolizes optimism and good spirits. Combined with greens or blues, it conveys a feeling of warmth and joy.

From refreshing, tangy EuroPaille to sunny, orangey Euro-Tournesol, Eurocoustic's yellow palette is well suited to building projects that require light and dynamism.



› The 46 tints in our Eurocolors range offer a vast choice of colors for creating countless decorative combinations.

GREENS

Green, the color of vegetation, symbolizes hope and youth. Combined with yellows, browns or purples, it conveys a sense of wellbeing and energy.

From delicate, bluish EuroLichen to bright, invigorating EuroPomme, Eurocoustic's green palette is sure to have the right color for projects looking to mix clarity with vitality.



BLUES

Blue, the color of the sky and the sea, symbolizes wisdom and calm. Combined with yellows, purples or browns, it conveys a sense of peace and tranquility.

From minimalist EuroGlacier to warm, vivid EuroBleuet, not forgetting dark, shimmering EuroIndigo, choose the right color for your project from Eurocoustic's blue palette to provide comfort with a graphical touch.



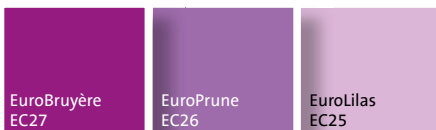
Colors

Bring your ceiling to life

PURPLES

Purple, a floral color, symbolizes lushness and preciousness. Combined with greens, browns, black or grays, it can convey very different feelings, ranging from freshness and lightness to opulence and excess.

From the lilac EuroLilas to warm, baroque EuroBruyère, Eurocoustic's purple palette has plenty of colors to choose from for original, contemporary spaces.



REDS

Red, the color of fire and passion, symbolizes energy and opulence. Combined with browns, it conveys a sense of luxury and warmth.

From vivid, jazzy EuroFraise to rich and vibrant EuroCarmin, Eurocoustic's red palette provides a vast spectrum of possibilities for precious or traditional projects.



BROWNS

Brown, the color of earth and tree bark, symbolizes protection and security. Combined with white, yellows, purples and bright pinks, it conveys a natural sense of softness and tranquility.

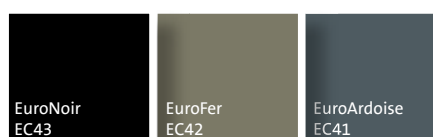
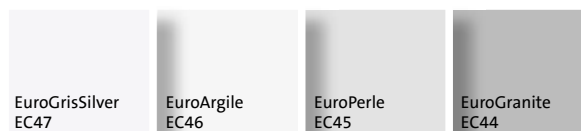
From clean, raw EuroSable to precious, sophisticated Euro-Acajou, Eurocoustic's browns palette is suitable for rooms characterized by warmth and color contrasts.



GRAYS

Gray, the color of minerals, symbolizes elegance and refinement. Combined with pinks or purples, it conveys a sense of modernity and esthetics.

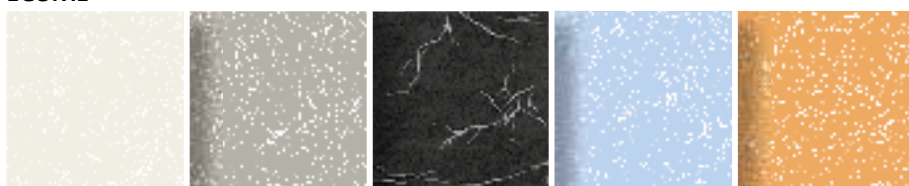
From traditional, urban EuroArgile to stylish, powerful Euro-Noir, Eurocoustic's grays palette fits contemporary trends and allows you to create simple but sophisticated spaces.



Finishes

PATTERNS

ECUME



EE48

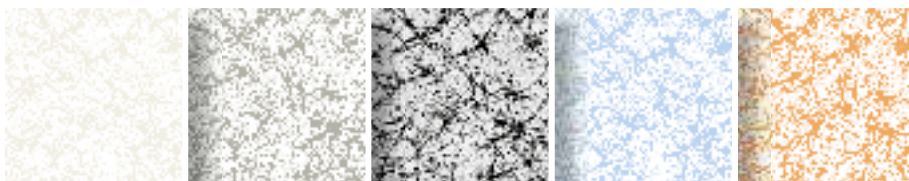
EE44

EE43

EE19

EE30

NUAGÉ



EN48

EN44

EN43

EN19

EN30

ATOLL®



EA49

EC49

CORAL®

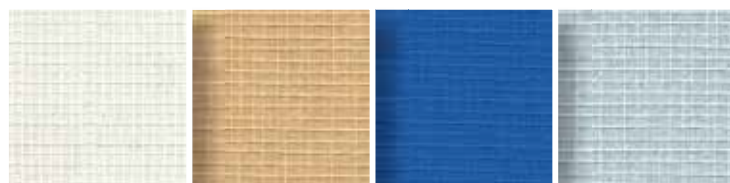
NUAGÉ: A modern graphical pattern available in four soft colors and in black for a contemporary look.

ECUME: A pattern of fine lines available in four soft colors and in black for an elegant, refined look.

ATOLL® AND CORAL®: Discreet patterns available in gray for a simple, traditional look.

SPECIAL SURFACES

ACOUSTICHOC®

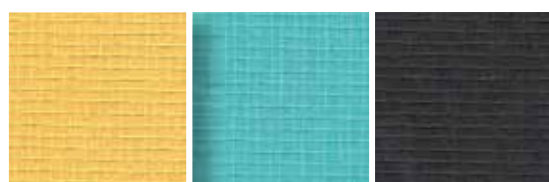


White

Beige

Blue

Gray



Yellow

Green

Black

WHITES

SMOOTH WHITES



White

White 09

White Aurore 082

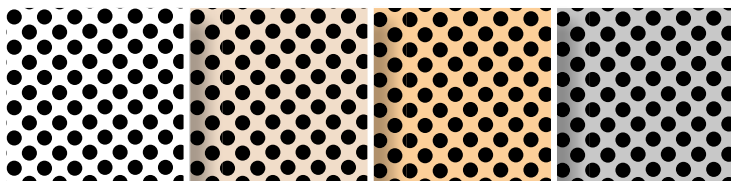
SATIN WHITE



Boreal finish

METAL - ACOUSTIROC®

CONSTELLATION PERFORATION



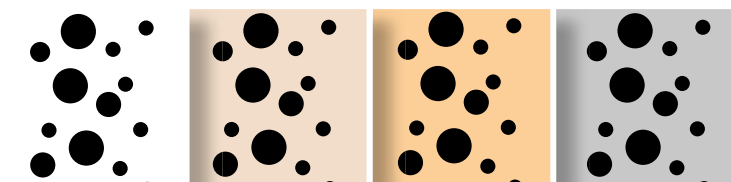
White
RAL 9010

Light ivory
RAL 1015

Peach
RAL 1017

Gray
RAL 9006

ORION PERFORATION



White
RAL 9010

Light ivory
RAL 1015

Peach
RAL 1017

Gray
RAL 9006

Colors, Eurocolors

YELLOWS



EC01 EuroCitron
EC02 EuroTournesol
EC03 EuroCéréale
EC04 EuroPaille
EC05 EuroCoquillage
EC06 EuroPêche

GREENS



EC07 EuroPomme
EC08 EuroOlive
EC09 EuroAnis
EC10 EuroPistache
EC11 EuroLichen
EC12 EuroCèdre
EC13 EuroChlorophylle

BLUES



EC14 EuroCampanule
EC15 EuroBleuet
EC16 EuroAzur
EC17 EuroOcéan
EC18 EuroLagon
EC19 EuroGlacier



EC20 EuroCeleste
EC21 EuroIndigo

PURPLES



EC22 EuroLavande
EC24 EuroEglantine
EC25 EuroLilas
EC26 EuroPrune
EC27 EuroBruyère

REDS



EC28 EuroFraise
EC29 EuroFramboise
EC30 EuroCorail
EC32 EuroCoquelicot
EC33 EuroCarmin

BROWNS



































EC34 EuroGrège
EC35 EuroTaupe
EC36 EuroWengé
EC37 EuroAcajou
EC38 EuroSépia
EC39 EuroSable
EC40 EuroNoyer

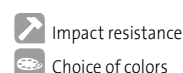
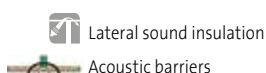
GRAYS





EC41 EuroArdoise
EC42 EuroFer
EC43 EuroNoir
EC44 EuroGranite
EC45 EuroPerle
EC46 EuroArgile
EC47 EuroGrisSilver

Performance summary

PRODUCTS	KEY FEATURES	MODULE DIMENSIONS (mm)
ECONOMICAL AND EFFICIENT		
Minerval®	Economical and efficient 	600x600 / 1200x600
BETTER, SAFER, EASIER		
Tonga®	Efficient  	600x600/1200/1500/1720/1800/2000/2400 1200x1200
Tonga® Therm	Thermal-acoustic  	600x600 / 1200x600
Tonga® Ultra Clean	Boreal Satiné  > 89%, washable	600x600 / 1200x600 / 1200x1200
Tonga® Ultra Clean HP	 > 84%, washable 	600x600 / 1200x600
Area®	Boreal Satiné  > 89%	600x600 / 1200x600
Ermes®	Boreal Satiné   > 89%	600x600 / 1200x600
SPECIFIC SOLUTIONS		
HEALTH		
Clini'Safe®	 	600x600 / 1200x600
IMPACT RESISTANCE		
Acoustichoc®	Impact resistance  	600x600 / 1200x600 / 1500x1000
Acoustichoc® Impact 15	Impact resistance  	600x600 / 1200x600
Acoustichoc® Impact 30	Impact resistance  	1200x600 / 1500x1000
BAFFLES & ISLANDS		
Insula®	Acoustic islands 	1200x1200 / 1200x2400
Eurobaffle®	Acoustic baffles 	1200x300 / 1200x600
SOUND INSULATION		
Alizé®	Lateral sound insulation 	600x600 / 1200x600
Acoustipan®	Acoustic barrier  	1200x600 / 1200x1000
LARGE ROOMS / WARM ROOFS		
Acoustished®	Large rooms beneath a warm roof  	1000x1500 990x1310 / 1370 / 1985
LARGE ROOMS / COLD ROOFS		
Acoustished® CV	Large rooms beneath a cold roof    	1000x1500 990x1310 / 1370 / 1985
WALL PANELS		
Acoustiroc®	Wall panels  	2700x800
COMPLEMENTARY PRODUCTS		
Eurolene®	Thermal and acoustic insulation	600x1200
Protisol®	Thermal and acoustic insulation	600x1200 / 1200x1200
Eurobac®	Filling panels for metallic trays	300x1200 / 600x1200



THICKNESS (mm)	ACOUSTIC ABSORPTION (α_w)	FIRE		SUPPLY AND FITTING PRICE FOR GUIDANCE ONLY €/m ²
		RESISTANCE	REACTION	
12/15	0.90/0.95	–	A1	★★
20/22/40	0.95/1	 REI 30 / FS 30*	A1 (white) A2-s1, d0 (colors)	★★★
77	1	–	A1 (white) A2-s1, d0 (colors)	★★★★
20/22/40	0.90/1	 REI 30 / FS 30*	A1	★★★★
22	1	 REI 30 / FS 30*	A2-s1, d0	★★★★★
15	0.90	–	A1	★★★★
15	0.90	–	A1	★★★★
15	0.90	–	A1	★★★★
22/40	1	 REI 30 / FS 30*	A1 (colors) A2-s1, d0 (white)	★★★★
22	1	–	A1 (colors) A2-s1, d0 (white)	★★★★★
40	1	–	A1 (colors) A2-s1, d0 (white)	★★★★★
–	–	–	According to filling panel	Contact us
44/80	–	–	According to filling panel	Contact us
40/80	0.55/0.60	 REI 30 / FS 30*	A1	★★★★
80	–	–	A2-s1, d0	Contact us
38/77	1	–	A1 (white 38 mm) A2-s1, d0 (colors 38 mm)	★★★★
38/77	1	–	A1 (white 38 mm)	★★★★
40	0.80H/0.85H	–	M1	Contact us
45/50/100	–	 REI 30*	A1	Contact us
30/50	0.65 MH/0.95/1	–	A1	Contact us
30	1	–	A1	Contact us

 Fire resistance
  Resistance to airflow
 €15 to €20 ★ €25 to €35 ★★★ > €40 ★★★★★

 Health
  Resistance to water vapor
 €20 to €30 ★★ €30 to €40 ★★★★★

* See benchmark report

Installation

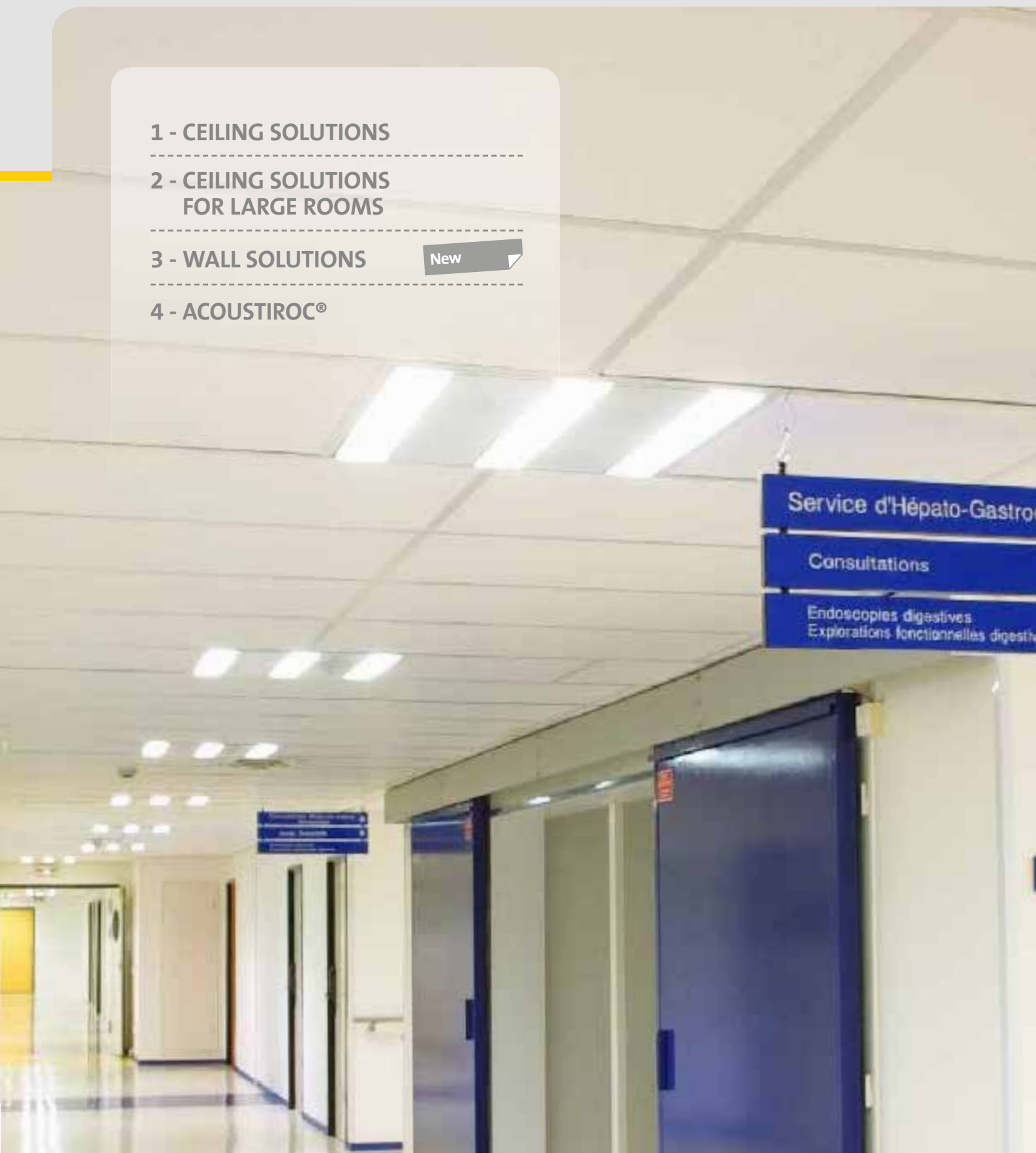
1 - CEILING SOLUTIONS

2 - CEILING SOLUTIONS
FOR LARGE ROOMS

3 - WALL SOLUTIONS

New

4 - ACOUSTIROC®

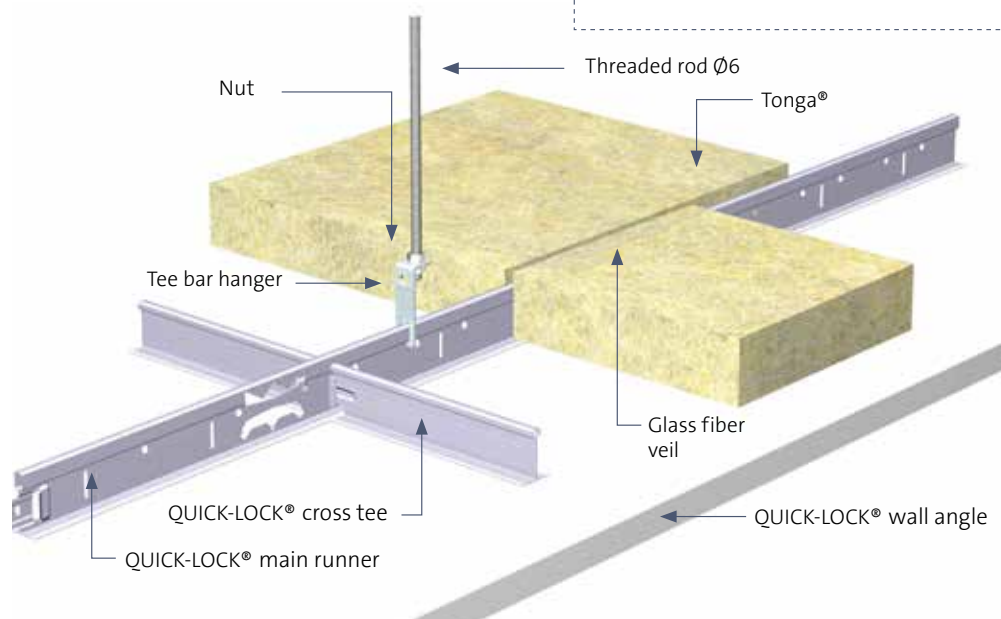
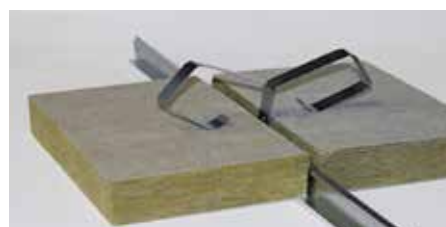


1 - CEILING SOLUTIONS

The main runners are placed horizontally every 1200 mm, 1500 mm or 1800 mm (depending on the module) in parallel lines and hung every 1200 mm using the appropriate hanger. A 1200 mm, 1500 mm or 1800 mm cross tee is placed at right angles every 600 mm or 1000 mm to form 1200x600 mm, 1500x1000mm or 1800x600 mm modules. For the 600x600 mm module, the 600 mm cross tee is placed at right angles to the 1200 mm or 1800 mm cross tee every 600 mm. A wall angle in the same finish is used for the outside.

Impact resistance

The panels will be maintained in the grid on four sides by an appropriate accessory to limit uplift.



Quantity lm / m ²	Module 600 x 600 mm		Module 1200 x 600 mm		Module 1500 x 1000 mm	Module 1200 x 1200 mm	Module 1350 x 300 mm	Module 1350 x 600 mm	Module 675 x 675 mm	
	Main runner distance 1800 mm T24	Main runner distance 1200 mm T15, T24, T35	Main runner distance 1800 mm T24	Main runner distance 1200 mm T15, T24, T35	Main runner distance 1500 mm T35	Main runner distance 1200 mm T24	Main runner distance 1350 mm T24	Main runner distance 1350 mm T24	Main runner distance 675 mm T24	Main runner distance 1350 mm T24
Main runner	0.56	0.84	0.56	0.84	0.67	0.84	0.74	0.74	1.48	0.74
Cross tee 1800 mm	1.67		0.84							
Cross tee 1500 mm					1					
Cross tee 1350 mm							3.33			1.48
Cross tee 1200 mm		1.67	1.12	1.67		0.84				
Cross tee 600 mm	1.12	0.84						1.66		
Cross tee 600 mm									1.48	0.74
Hangers u/m ²	0.5	0.7	0.5	0.7	0.6	0.7	1.1	1.1	1.1	0.55

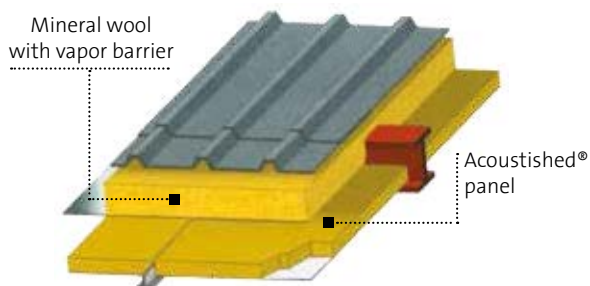
Installation

2 - CEILING SOLUTIONS FOR LARGE ROOMS

Installation beneath warm or cold roofs is restricted to low-humidity rooms.

- **For warm roofs**, ceilings must be installed in accordance with the requirements of the DTU 58.1 code of practice, the NF P 68203-1 and 2 standards and other applicable standards and codes of practice according to the type of room.
- **For cold roofs**, the product must be fitted in accordance with the requirements of the DTU 40.35 code of practice relating to profiled roofing sheets made from coated sheet steel (NF P34-205 standard).

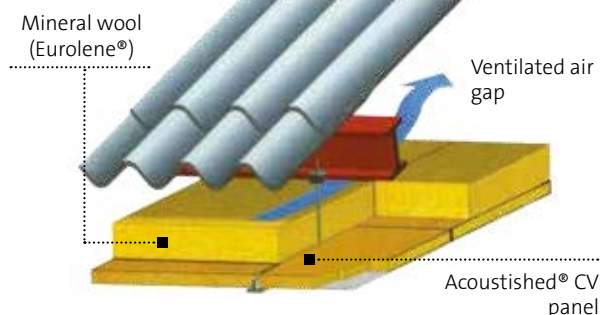
Beneath warm roofs



Method 1: Beneath warm roofs

- A vapor barrier must be installed on the warm side:
 - In case of an Acoustished® ceiling (without a vapor barrier), mineral wool insulation (preferably in rolls) with an integrated vapor barrier must be laid on top.
 - The thermal resistance of the insulation must be at least twice that of the ceiling.

Beneath cold roofs



Method 2: Beneath cold roofs

- A condensation regulator (such as sprayed mineral wool) must be installed on the underside of the roof covering.
- When installing the roof decking, care must be taken to maintain a continuous ventilated air gap of at least 4 cm. Ventilation must comply with the requirements of the applicable DTU codes of practice.



3 - WALL SOLUTIONS

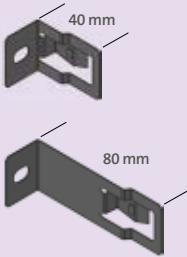
New

Acoustished® and Acoustichoc® panels can be installed on walls above a height of 2.0 m* with Eurocoustic's new wall accessories system, associated with **QUICK-LOCK®** T24 and T35 grids.

NEW

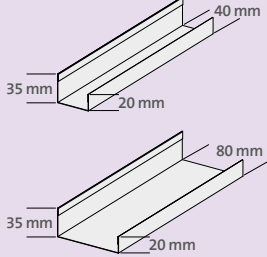
FIXING CLIPS

- Complete range compatible with panel thicknesses
- Design suited to **QUICK-LOCK®** grids
- Easy to install



FINISHING PROFILES

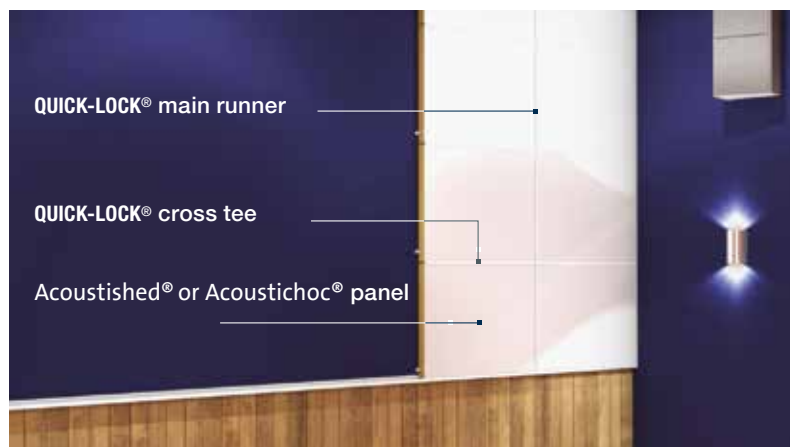
- Complete range compatible with panel thicknesses
- White pre-lacquered finish suited to **QUICK-LOCK®** grids
- Offset wings for easier screwing into the wall



Example of installation for 1000 x 1500 panels:

- The finishing profiles are fixed all around the wall section using the appropriate fixings for the type of wall. Fixings are spaced every 30 cm.
- The panels and **QUICK-LOCK®** cross tees are then installed in rows from bottom to top by alternating panels and cross tees. For greater mechanical strength, you are advised to install the panels horizontally.
- The fixing clips are then fitted every 1.0 m, while avoiding contact with the cross tees. Clips are fastened to the wall using appropriate fixings.
- The **QUICK-LOCK®** main runners snap onto the clips. They support the cross tees for the first row.

Panels, grids and accessories are progressively installed, row by row.



WATCH THE WALL INSTALLATION VIDEO ON OUR WEBSITE
WWW.EUROCOUSTIC.COM

* When installing at a height less than 2.0 m, mechanical protection must be provided for the lower part. It is not recommended to install on walls that are likely to be subject to repeated impacts (e.g. behind a handball goal).

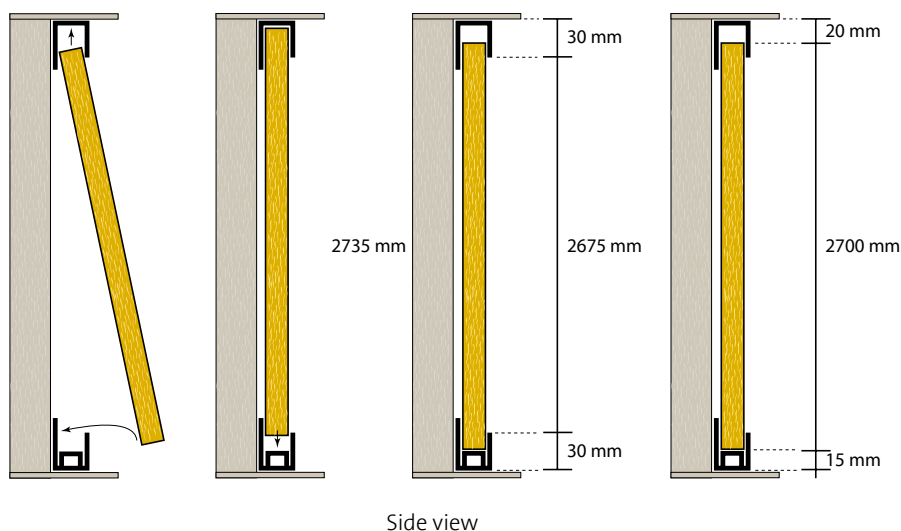
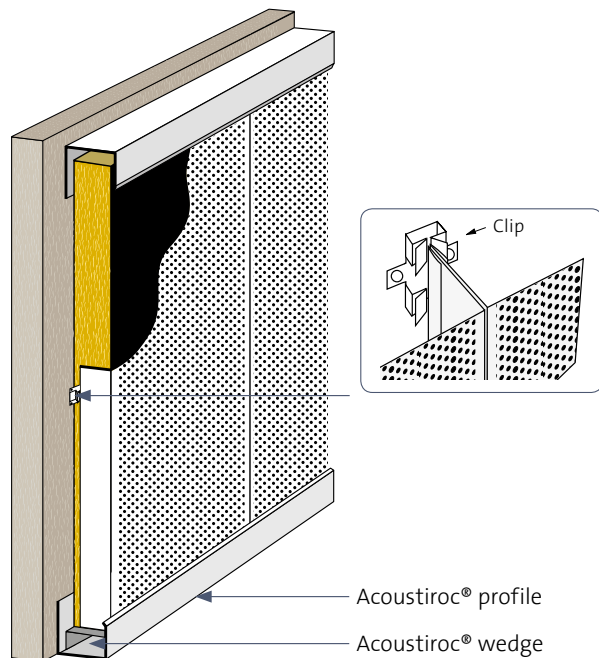
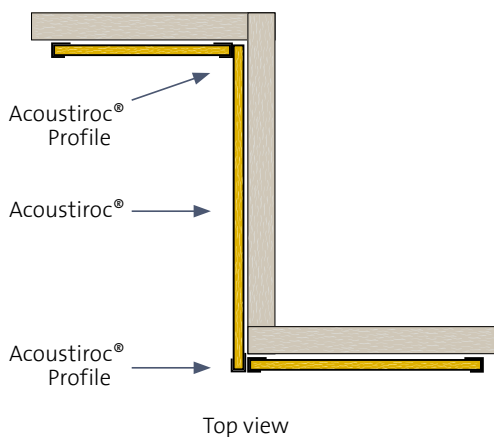
Installation

4 - ACOUSTIROC®

Eurocoustic has developed a fast and simple installation method for Acoustiroc® panels with a single finishing profile (Acoustiroc® profile), which allows panels to be removed.

- The Acoustiroc® profile, which features a U-shaped design with offset wings and the same color as the Acoustiroc® panels, is installed at the top and bottom, and allows panels to be simply slid into place.
- The Acoustiroc® profile can also be used to finish the side of the panels.

- To avoid any unevenness, Acoustiroc® clips can be installed (panels are then more difficult to remove).
- If you need to fit an electrical socket, the panel should be grounded.
- Specific accessories are available for corners (Acoustiroc® angles) and the junction between Acoustiroc® profiles (Acoustiroc® profiles connector).





References

PAGES	SITE	CITY	COUNTRY	PHOTO CREDITS	ACTIVITY
12-13	Usine Eurocoustic	Genouillac	France	Studio Vu	Industry
28-29	Heerema	Leiden	Netherlands	x	Culture & leisure
	Kino Hvezda	Uherské hradisté	Czech Republic	x	Culture & leisure
30-31	Heerema	Leiden	Netherlands	x	Culture & leisure
	MĎstské divadlo	Prachatice	Czech Republic	x	Culture & leisure
	Centre Culturel	Courbevoie	France	x	Culture & leisure
	Résidence La Fontaine Bazeille	Sainte Bazeille	France	Studio Vu	Health
32-33	Médiathèque Françoise Giroud	Castries	France	x	Education
	LangeLand Ziekenhuis	Zoetermeer	Netherlands	x	Health
36-37	GNFA (Groupement National Formation Automobile)	Montpellier	France	x	Industry
	Médiathèque Françoise Giroud	Castries	France	x	Education
38-39	Kinopolis	Fenouillet	France	x	Culture & leisure
	Castahotel	Castagnito	Italy	x	Culture & leisure
	Ecole Jean Mermoz	Vélizy	France	Studio Vu	Education
	Hôpital Robert Debré	Paris	France	x	Health
46-47	Résidence La Fontaine Bazeille	Sainte Bazeille	France	Studio Vu	Health
48-49	Résidence La Fontaine Bazeille	Sainte Bazeille	France	Studio Vu	Health
50-51	Centre Mandela	Besançon	France	x	Education
52-53	Ecole Jean Mermoz	Vélizy	France	Studio Vu	Education
56-57	Médiathèque Françoise Giroud	Castries	France	x	Education
58-59	Reclassering	Breda	Netherlands	x	Administration offices
62-63	Conseil Général du Haut Rhin	Altkirch	France	x	Administration offices
64-65	Conseil Général du Haut Rhin	Altkirch	France	x	Administration offices
70-71	Reclassering	Breda	Netherlands	x	Administration offices
74-75	LangeLand Ziekenhuis	Zoetermeer	Netherlands	x	Health
82-83	Palestra Nato	Montecchio	Italy	x	Education
84-85	Palestra Nato	Montecchio	Italy	x	Education
86-87	Restaurant Tout va bien	Charleville Mezières	France	Studio Vu	Retail
88-89	Fabrique delle Emozioni	Pistoia	Italy	x	Culture & leisure
92-93	Usine Eurocoustic	Genouillac	France	Studio Vu	Industry
94-95	Aiguillon High School	Aiguillon	France	x	Education
102-103	CPAM	Montbéliard	France	x	Administration offices
104-105	Usine Eurocoustic	Genouillac	France	Studio Vu	Industry
106-107	Usine Eurocoustic	Genouillac	France	Studio Vu	Industry
124	Hôpital Robert Debré	Paris	France	x	Health
128-129	CPAM	Montbéliard	France	x	Administration offices
130-131	Castahotel	Castagnito	Italy	x	Culture & leisure
	Reclassering	Breda	Netherlands	x	Administration offices
	CPAM	Lille	France	x	Administration offices



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