



Colour



Boreal Satin

Applications

Altes® is a very smooth, very white panel that highlights both daylight and artificial light. Its decorative appearance, combined with its technical performance, provides both comfort and safety for users in areas where it is installed: offices, retail, restaurants, hospitals, laboratories, clean rooms.

Références

Reims Hospital, CHU of Reims - Colourist: MP. Gabeur

Description

An acoustic and decorative ceiling from the Lumière range, Altes® is a rigid, self-supporting panel made out of stone wool and provided with a **Boreal finish**. Its decorative side is coated with a very luminous, **white satin paint**. The other side is reinforced with a natural glass fibre mat. Its edges are painted, ensuring all six faces of the panel are sealed.



Sizes (modulus)

Length	600 mm	1200 mm
Width	600 mm	600 mm
Thickness	25 mm	25 mm



Light reflection

The satin white Boreal finish contributes to the light comfort of the surrounding environment. Thanks to its high **light reflection coefficient (> 88 %)**, Altes® meets the requirements of lighting specialists and makes it possible to reduce the installed power.



Acoustic absorption

Thanks to a **reinforced absorption**, Altes® ensures a mastered reverberation, facilitates the comprehensibility and ensures an acoustic comfort in the premises of the tertiary sector dedicated among other for the education and communication.



$\alpha_w = 0,95$: class A



Fire testing

Euroclass A1.



Fire resistance

- REI 20 to 60, Altes® ceiling 600 x 600 mm
- REI 30 to 45, Altes® ceiling 600 x 600 mm + 160 mm Eurolene 603.

To improve the thermo acoustic performances from 0 to 200 mm of glass wool (IBR) can be added on the ceiling panels with or without aluminium vapour barrier.



Humidity

Eurocoustic stone wools are non-hydrophilic. The ceilings are completely resistant to humidity and may be used in the most severe atmospheres without any risk of sagging. CRIR test report.



Particle emission

Altes® may be used in dust controlled rooms in accordance with the US Federal Standard 209 E.

Altes® ceilings must be installed on a framework system with silicone joints and not be subject to impact, rubbing or vibration. CERA Labo test report n° 98 B 07/1.



Durability

The smooth surface of Altes® panels does not retain dust and is easy to clean. Altes® panels may be **cleaned with a damp sponge** and a slightly alkaline detergent.

This type of upkeep contributes to the long life of Altes® ceilings, particularly in rooms where the plenum has to be accessed frequently for maintenance.



Performance in a microbic environment

Whatever the environment, the ceilings contain no elements that favour the growth of micro-organisms. Test report from CERA Labo.



Thermal insulation values

Thermal insulation values $R = 0,71$ (m² K/W).



Health and environment

Eurocoustic stone wools make it possible to reduce sound nuisance, energy consumption and the emission of greenhouse gases.

The stone wool panels are made with fibres that do not contain any materials classified as carcinogenic (European Directive 97/69/CE).

According to the International Agency for Research on Cancer, stone wools cannot be classified as regards their carcinogenicity to humans (group 3).

We recycle our stone wools.



Installation

Altes® panels are rigid and easy to handle and cut by means of a cutter. They are installed on an easy to dismantle T15 or T24 mm framework. They should be installed in accordance with the stipulations of the NFP 68203-1 & 2. We recommend providing air circulation between the room and the plenum in order to balance out any temperature and pressure differences on either side of the ceiling.



Packaging and storage

Panels/package (1200x600)	Panels/package (600x600)	Package/pallet
8	16	20

Altes® ceilings are packed in 6 faces boxes.



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