



New  
product

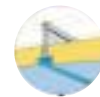


### Description

Equation® is a rebated ceiling from Design range, 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.

### Applications

Equation® is a very smooth, very white panel that highlights both daylight and artificial light. Its decorative appearance, combined with its technical performance, provide both comfort and safety for users in areas where it is installed : offices, retails, hospitals.



### Size (modulus) T15/T24 mm

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



### Colours



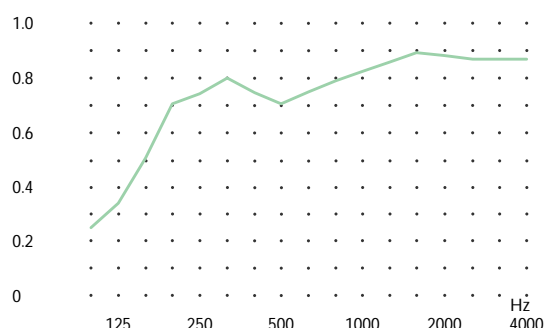
Boreal  
(code P1)



### Acoustic absorption

Equation® provides very good sound absorption, thus ensuring good sound quality in any areas where controlled audition is required.

Acoustic absorption coefficient  $\alpha$  Sabine



■  $\alpha_w = 0,80$  ; class B.



### Fire testing

France :  
Equation® stone wool panels have the highest fire rating, M0.  
ITF LYC 2301L



### Fire resistance

France :  
Quartette®, ceilings withstand fire for a half-hour period. The panels can be used as protective screens for structures.  
CSTB test report : 96.41520



### 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.



### Light reflection

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



### 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.



### Durability

The smooth surface of Equation® panels does not retain dust and is easy to clean. Equation® panels may be cleaned with a damp sponge and a slightly alkaline detergent.  
This type of upkeep contributes to the long life of Equation® ceilings, particularly in rooms where the plenum has to be accessed frequently for maintenance.



### Particulate emissions

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



### Thermal insulation values

Thickness	Thermal insulation values
20 mm	R = 0,51 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

Equation® panels are rigid and easy to handle and cut by means of a cutter. They are installed on an easy to dismantle T15 or T 24 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.