

### Description

A rigid self-supporting stone wool panel offering remarkable acoustic absorption capabilities.

Panels are lined with decorative glass fibre tissue on the visible side, and neutral glass fibre tissue on the reverse side.

### Applications

Any project requiring a combination of all or some of these properties: decorative effect, acoustic control, resistance to humidity, non-combustibility, durability; such as, offices, retail, hotels, restaurants and schools.

## Sizes modulus

Lengths	1200 mm	600 mm
Width	600 mm	600 mm
Thicknesses	25/40 mm	25/40 mm

## Colours



Atoll<sup>®</sup>  
(code B8)

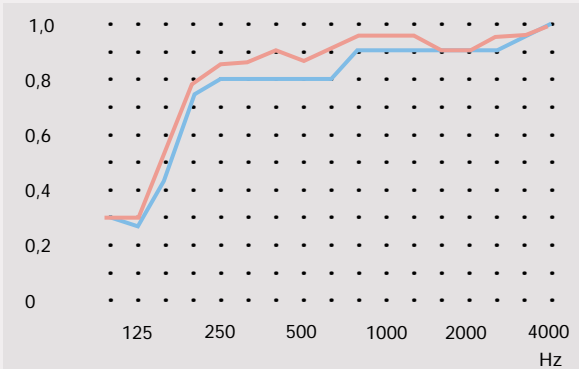


Coral<sup>®</sup>  
(code B7)

## Acoustic absorption

With their excellent absorption performances, Atoll<sup>®</sup> and Coral<sup>®</sup> ceilings control reverberation in all public environments.

Acoustic absorption coefficient  $\alpha_{sabin}$



- 25 mm :  $\alpha_w = 0.90$  ; class A.
- 40 mm :  $\alpha_w = 0.95$  ; class A.

## Fire testing

France :  
Atoll<sup>®</sup> and Coral<sup>®</sup>, ceilings are classified M0; Eurocoustic panels have achieved the highest possible safety standards.  
CSTB test report : RA 00-10-1.

## Fire resistance

France :  
Atoll<sup>®</sup> and Coral<sup>®</sup> withstand fire for a half-hour period. (wood, steel or concrete structures).  
- 25 mm : 600 x 600 mm, T 24 mm + 160 mm Eurolène<sup>®</sup> 603. CTICM test report 03-H-317.  
- 40 mm : 1200 x 600 mm, T 24 mm & T 35 mm. CSTB test report 84 21429.

## Humidity

Maximum resistance to atmospheric humidity : 100 %, ensuring complete rigidity and stability. CRIR test reports.

## Performances in a microbic environment

Atoll<sup>®</sup> and Coral<sup>®</sup> ceilings do not contain any element prone to microbic development. Test report: IRM 117 1189.

## Thermal insulation values

Thickness	Thermal insulation values
25 mm	R = 0,67 m <sup>2</sup> K/W
40 mm	R = 1,08 m <sup>2</sup> K/W

## Light reflection

Coral<sup>®</sup>: 80,2 % - Atoll<sup>®</sup>: 73,4 %.

## Acoustic barrier

Thickness	Barrier	Dnt <sub>w</sub> dB
25 mm	+ Acoustipan <sup>®</sup>	37
25 mm	+ Acoustibloc <sup>®</sup>	40
25 mm	+ 2 Acoustipan <sup>®</sup>	46

## 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

Atoll<sup>®</sup> and Coral<sup>®</sup> panels are rigid and easy to handle and cut by means of a cutter. They are installed on an easy to dismantle T 15 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.

### Ceiling or purlin-suspended installation

