

# Panel 233

Uncoated semi-rigid board of volcanic stone wool.

## Application

Acoustic insulation in general building applications.



## Technical Properties

| Property                                                             | Description    |                                         |                |                                         | Standard   |
|----------------------------------------------------------------------|----------------|-----------------------------------------|----------------|-----------------------------------------|------------|
| Nominal density (kg/m <sup>3</sup> )                                 | 100            |                                         |                |                                         | EN 1602    |
| Thermal conductivity W/(m*K)                                         | 0,035          |                                         |                |                                         | EN 12667   |
| Dimensions (mm)                                                      | 1200 x 600     |                                         |                |                                         |            |
| Fire reaction /Euroclass                                             | A1             |                                         |                |                                         | EN 13501.1 |
| Thermal resistance (m <sup>2</sup> K/W)                              | Thickness (mm) | Thermal resistance (m <sup>2</sup> K/W) | Thickness (mm) | Thermal resistance (m <sup>2</sup> K/W) |            |
|                                                                      | 30             | 0.85                                    | 60             | 1.70                                    |            |
|                                                                      | 40             | 1.10                                    | 80             | 2.25                                    |            |
|                                                                      | 50             | 1.40                                    | 100            | 2.85                                    |            |
| Thickness tolerance (mm)                                             | T3             |                                         |                |                                         | EN 823     |
| Dimensional stability at a specific temperature and humidity         | DS (70,90)     |                                         |                |                                         | EN 1604    |
| Water vapour transmission                                            | MU1            | ( $\mu = 1$ )                           |                |                                         | EN 12086   |
| Short term water absorption (kg/m <sup>2</sup> )                     | WS             | ( < 1,0 kg/m <sup>2</sup> )             |                |                                         | EN 1609    |
| Long term water absorption by partial immersion (kg/m <sup>2</sup> ) | WL(P)          | ( < 3,0 kg/m <sup>2</sup> )             |                |                                         | EN 12086   |

## Advantages

- Fast and easy to install.
- Maximum security in case of fire.
- Well-known improvement of the sound and thermal insulation.
- Neither-hydrophilic nor hygroscopic.
- Chemically inert.
- Environmental Product Declaration
- Free of CFC and HCFC, respectful with the environment.



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