

# Rockfeu 520

Un-faced rigid slab of volcanic stone wool.

## Application

Insulation below slabs in contact with the exterior or uninhabitable areas. Mechanically fixed below the slabs.



## Technical Properties

| Property                                                             | Description    |                                         |                             |                                         | Standard   |
|----------------------------------------------------------------------|----------------|-----------------------------------------|-----------------------------|-----------------------------------------|------------|
| Nominal density (kg/m <sup>3</sup> )                                 | 120            |                                         |                             |                                         | EN 1602    |
| Thermal conductivity W/(m*K)                                         | 0,039          |                                         |                             |                                         | 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             | 0.75                                    | 60                          | 1.50                                    |            |
|                                                                      | 40             | 1.00                                    | 70                          | 1.75                                    |            |
|                                                                      | 50             | 1.25                                    | 80                          | 2.05                                    |            |
| Thickness tolerance (mm)                                             | T5             |                                         |                             |                                         | EN 823     |
| Dimensional stability at a specific temperature and humidity         | DS (70,90)     |                                         |                             |                                         | EN 1604    |
| Water vapour transmission                                            | MU1            |                                         | ( μ = 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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