

## TECHNICAL DATA SHEET

# PETRAROOF-T



Slabs of stone wool for thermal, acoustic and fire insulation as an upper layer in double layer system

### OFFICIAL DOCUMENTATION:

Declarations of Performances :  
No. PTRL-DoP/MW/15/28  
No. PTRL-DoP/MW/15/18

### APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer



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## PRODUCT CODE

PETRAROOF-T MW-EN13162-T5-CS(10)80-PL(5)850-WS-MU1 (d=20-29 mm)

PETRAROOF-T MW-EN13162-T4-DS(70,90)-CS(10)80-PL(5)900-WS-WL(P)-MU1 (d=30-55 mm)

## DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$

$\leq 0,039$  [W/mK]

## DECLARED PARAMETERS

| DECLARED PROPERTIES OF THE PRODUCT<br>ACC. TO EN 13162:2012+A1:2015 | SYMBOL    | CLASS OR TOLERANCE       | UNITS                   |
|---|-----------|--------------------------|-------------------------|
| Class for thickness tolerances                                      | T         | T5 (d=20-29mm)           | -1 mm / +3 mm<br>[mm]   |
|   |           |                          | -1 % / +3 mm<br>[%/mm]  |
| Dimensional stability under 70 °C and 90% humidity                  | DS(70,90) | $\leq 1,0$ (d=30-55 mm)  | [%]                     |
| Compressive stress at 10% deformation                               | CS(10/Y)  | CS(10)80                 | [kPa]                   |
| Tensile strength perpendicular to faces                             | TR        | NPD                      | [kPa]                   |
| Point load at 5mm deformation                                       | PL(5)     | $\geq 850,0$ (d=20-29mm) | [N]                     |
|   |           | $\geq 900,0$ (d=30-55mm) |                         |
| Short time water absorption   | WS        | $\leq 1,0$               | [kg/m <sup>2</sup> ]    |
| Long time water absorption  | WL(P)     | $\leq 3,0$ (d=30-55 mm)  | [kg/m <sup>2</sup> ]    |
| Water vapour transmission   | MU        | MU1                      | [-]                     |
| Air flow resistivity  | AFr       | NPD                      | [kPa s/m <sup>2</sup> ] |
| Reaction to fire  | RtF       | A1                       | Euroclass               |

## DECLARED THERMAL RESISTANCE $R_D$

|                            |      |      |      |      |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| d [mm]                     | 20   | 30   | 40   | 50   | - | - | - | - | - | - | - | - | - | - | - | - |
| $R_D$ [m <sup>2</sup> K/W] | 0,50 | 0,75 | 1,00 | 1,25 | - | - | - | - | - | - | - | - | - | - | - | - |

## DIMENSIONS AND PACKING

| FORMAT OF PLATES |       |           | PALLETS                   |                                     |                              |
|------------------|-------|-----------|---------------------------|-------------------------------------|------------------------------|
| Length           | Width | Thickness | No. of plates on a pallet | Cover surface of plates on a pallet | Volume of plates on a pallet |
| [mm]             | [mm]  | [mm]      | [pcs.]                    | [m <sup>2</sup> ]                   | [m <sup>3</sup> ]            |
| 2000             | 1200  | 20        | 56                        | 134,40                              | 2,688                        |
|                  |       | 30        | 40                        | 96,00                               | 2,880                        |
|                  |       | 40        | 30                        | 72,00                               | 2,880                        |
|                  |       | 50        | 24                        | 57,60                               | 2,880                        |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |
|                  |       | -         | -                         | -                                   | -                            |