

Release : 18.01.2019

PETRALANA[®]
from nature

TECHNICAL DATA SHEET



PETRATOP

Stone wool plates
 with a bright veil for thermal,
 sound absorption and fire
 protection.

OFFICIAL DOCUMENTATION:

Declaration of Performance:
 No PTRL-DoP/MW/15/108



1454-CPR-1021

APPLICATION:

ceilings above garages, basements

APPLICATION INFO:

PETRATOP is recommended to be glued
 to the ceilings according to the installation
 manual of the glue suppliers
 for mineral wool boards.

FACTORY:

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| |
|---|
| PRODUCT CODE |
| PETRATOP MW-EN13162-T5-DS(70,90)-CS(10/Y)10-TR5-WS-WL(P)-MU1 |
| DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D |
| $\leq 0,034$ [W/mK] |

| DECLARED PARAMETERS | | | |
|---|-----------|--------------------|----------------------|
| PROPERTIES OF THE PRODUCT ACC. TO EN 13162 | SYMBOL | CLASS OF TOLERANCE | UNITS |
| Class for thickness tolerances | T | T5 | -1 mm / +3 mm |
| | | | - 1 % / +3 mm |
| Dimensional stability under 70° C and 90% humidity | DS(70,90) | $\leq 1,0$ | [%] |
| Compressive stress at 10% deformation or compressive strength | CS(10/Y) | CS(10/Y)10 | [kPa] |
| Tensile strength perpendicular to faces | TR | $\geq 5,0$ | [kPa] |
| Short time water absorption | WS | $\leq 1,0$ | [kg/m ²] |
| Long time water absorption | WL(P) | $\leq 3,0$ | [kg/m ²] |
| Water vapour transmission | MU | MU1 | [-] |
| Reaction to fire | RtF | A1 | Euroclass |

| DECLARED THERMAL RESISTANCE R_D | | | | | | | | | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|---|
| d [mm] | 60 | 80 | 100 | 120 | 150 | 200 | - | - | - | - | - | - | - | - | - | - | - |
| R_D [m ² K/W] | 1,75 | 2,35 | 2,90 | 3,50 | 4,00 | 6,00 | - | - | - | - | - | - | - | - | - | - | - |

| DIMENSIONS AND PACKING | | | | | | | | |
|------------------------|-------|-----------|----------------------------|----------------------------|---------------------|---------------------------|-------------------------------------|------------------------------|
| FORMAT OF PLATES | | | PACKAGES | | | PALLETS | | |
| length | Width | Thickness | No. of plates in a package | Cover surface in a package | Volume of a package | No. of plates on a pallet | Cover surface of plates on a pallet | Volume of plates on a pallet |
| [mm] | [mm] | [mm] | [pcs.] | [m ²] | [m ³] | [pcs.] | [m ²] | [m ³] |
| 1000 | 600 | 60 | - | - | - | - | - | - |
| | | 80 | 3 | 1,80 | 0,144 | 20 | 26,00 | 2,880 |
| | | 100 | 3 | 1,80 | 0,180 | 16 | 28,80 | 2,880 |
| | | 120 | 2 | 1,20 | 0,144 | 20 | 24,00 | 2,880 |
| | | 150 | 2 | 1,20 | 0,180 | 16 | 19,20 | 2,880 |
| | | 200 | 2 | 1,20 | 0,240 | 12 | 14,40 | 2,880 |
| | | (*) | - | - | - | - | - | - |

(*) other thickness under request