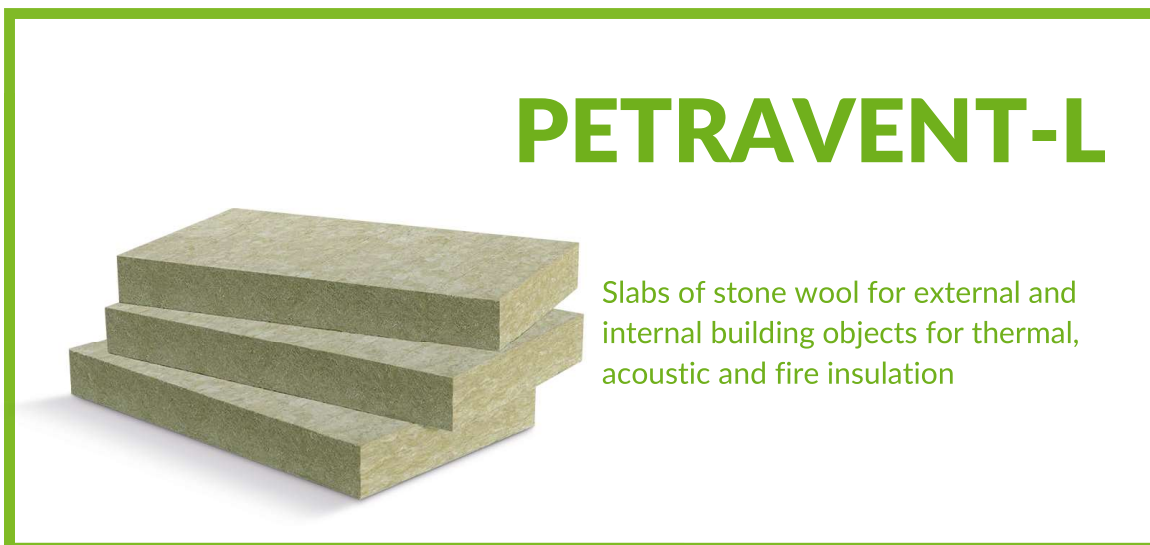


## TECHNICAL DATA SHEET



### OFFICIAL DOCUMENTATION:

Declaration of Performances  
No. PTRL-DoP/MW/15/67



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### APPLICATION:

external facades insulated by light-dry method  
(eg sheet, cladding board, siding, lining cement  
and composite)

external walls with elevation of stone or glass

skeletal external and internal walls (on a  
wooden and metal structure)

partition walls

curtain walls

cavity walls

suspended ceilings

| PRODUCT CODE   |
|--|
| PETRAVENT-L MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1 |
| DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$      |
| $\leq 0,035$ [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                 | -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                               | CS(10/Y)  | 0,5                | [kPa]                   |
| Tensile strength perpendicular to faces                             | TR        | NPD                | [kPa]                   |
| Point load at 5mm deformation                                       | PL(5)     | NPD                | [N]                     |
| Short time water absorption   | WS        | $\leq 1,0$         | [kg/m <sup>2</sup> ]    |
| Long time water absorption  | WL(P)     | $\leq 3,0$         | [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]                            | 50   | 80   | 100  | 120  | 140  | 150  | 160  | 180  | 200  | 220  | - | - | - | - |
| $R_D$ [m <sup>2</sup> K/W]        | 1,40 | 2,25 | 2,85 | 3,40 | 4,00 | 4,25 | 4,55 | 5,10 | 5,70 | 6,25 | - | - | - | - |

| DIMENSIONS AND PACKING |       |           |                            |                            |                     |                           |                                     |                              |   |
|------------------------|-------|-----------|----------------------------|----------------------------|---------------------|---------------------------|-------------------------------------|------------------------------|---|
| FORMAT OF PLATES       |       |           | PACKAGES                   |                            |                     | PALLETS                   |                                     |                              |   |
| Length                 | Width | Thickness | No. of plates in a package | Cover surface of 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 <sup>2</sup> ]          | [m <sup>3</sup> ]   | [pcs.]                    | [m <sup>2</sup> ]                   | [m <sup>3</sup> ]            |   |
| 1000                   | 600   | 50        | 10                         | 6,00                       | 0,300               | 20                        | 120,00                              | 6,000                        |   |
|                        |       | 80        | 6                          | 3,60                       | 0,288               | 20                        | 72,00                               | 5,760                        |   |
|                        |       | 100       | 5                          | 3,00                       | 0,300               | 20                        | 60,00                               | 6,000                        |   |
|                        |       | 120       | 5                          | 3,00                       | 0,360               | 16                        | 48,00                               | 5,760                        |   |
|                        |       | 140       | 4                          | 2,40                       | 0,336               | 16                        | 38,40                               | 5,376                        |   |
|                        |       | 150       | 4                          | 2,40                       | 0,360               | 16                        | 38,40                               | 5,760                        |   |
|                        |       | 160       | 3                          | 1,80                       | 0,288               | 20                        | 36,00                               | 5,760                        |   |
|                        |       | 180       | 3                          | 1,80                       | 0,324               | 16                        | 28,80                               | 5,184                        |   |
|                        |       | 200       | 3                          | 1,80                       | 0,360               | 16                        | 28,80                               | 5,760                        |   |
|                        |       | 220       | 2                          | 1,20                       | 0,264               | 20                        | 24,00                               | 5,280                        |   |
|                        |       | -         | -                          | -                          | -                   | -                         | -                                   | -                            | - |
|                        |       | -         | -                          | -                          | -                   | -                         | -                                   | -                            | - |
|                        |       | -         | -                          | -                          | -                   | -                         | -                                   | -                            | - |