# PRODUCT DATASHEET



## PAROC eXtra

**General Insulation slab.**

Flexible multi purpose insulation slab.

General insulation PAROC eXtra is non-combustible stone wool insulation for thermal, sound and fire insulation applications like walls, attics and floors in all kind of buildings.

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

**Certification Number** 0809-CPR-1015 Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland

**Designation Code** MW-EN13162-T2-DS(70,-)-WS-WL(P)-MU1

**Package Type** Plastic Package or Big Pack

| DIMENSIONS | |
|---|---|
| **WIDTH X LENGTH** | **THICKNESS** |
| 565 x 1220 mm | 50 - 150 mm |
| 610 x 1220 mm | 42 - 150 mm |
| 870 x 920 mm | 100 – 150 mm |
| According to EN 822 | According to EN 823 |
| Other Dimensions: Other sizes available on request. | |

| PROPERTY | VALUE | ACCORDING TO |
|---|---|---|
| **DIMENSIONAL STABILITY** | | |
| Dimensional Stability at Specified Temperature, DS(70,-) | ≤ 1 % | EN 13162:2012 + A1:2015 (EN 1604) |

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## Properties

| PROPERTY | VALUE | ACCORDING TO |
|---|---|---|
| **FIRE PROPERTIES** | | |
| Reaction to Fire, Euroclass | A1 | EN 13162:2012 + A1:2015 (EN 13501-1) |
| Continuous Glowing Combustion | NPD | EN 13162:2012 + A1:2015 |
| Combustibility | Non-combustible | EN ISO 1182 |
| **THERMAL PROPERTIES** | | |
| Thermal Resistance | https://www.paroc.com/~/media/Files/Solutions%20and%20Products/thermal-resistance-table-INT.ashx | EN 13162:2012 + A1:2015 |
| Thermal Conductivity $\lambda_D$ | 0.036 W/mK | EN 13162:2012 + A1:2015 |
| Thickness Tolerance, T | T2 | EN 13162:2012 + A1:2015 (EN 823) |
| Air Flow Resistivity $AF_R$ | NPD | EN 13162:2012 + A1:2015 (EN 29053) |
| Air Permeability Coefficient, ℓ | 100 x 10 $^{-6}$ m²/Pa*s | EN 29053 |
| **MOISTURE PROPERTIES** | | |
| Water Absorption, Short Term WS, ($W_p$) | ≤ 1 kg/m² | EN 13162:2012 + A1:2015 (EN 1609) |
| Water Absorption, Long Term WL(P), ($W_{lp}$) | ≤ 3 kg/m² | EN 13162:2012 + A1:2015 (EN 12087) |
| Water Vapour Transmission MU, μ | 1 | EN 13162:2012 + A1:2015 (EN 12086) |
| Water Vapour Resistance Z | NPD | EN 13162:2012+A1:2015 |
| **SOUND PROPERTIES** | | |
| Sound Absorption | NPD | EN 13162:2012 + A1:2015 (EN ISO 354) |
| Dynamic Stiffness SD | NPD | EN 13162:2012 + A1:2015 (EN 29052-1) |
| Compressibility | NPD | EN 13162:2012 + A1:2015 |
| **MECHANICAL PROPERTIES** | | |
| Compressive Stress at 10 % deformation CS(10), $\sigma_{10}$ | NPD | EN 13162:2012 + A1:2015 (EN 826) |
| Compressive Strength CS(Y), $\sigma_m$ | NPD | EN 13162:2012 + A1:2015 (EN 826) |
| Point Load PL(5) | NPD | EN 13162:2012 + A1:2015 (EN 12340) |
| Tensile Strength Perpendicular to Faces TR, $\sigma_{mt}$ | NPD | EN 13162:2012 + A1:2015 (EN 1607) |
| **EMISSIONS** | | |
| Release of Dangerous Substances | NPD | EN 13162:2012 + A1:2015 |
| **DURABILITY OF COMPRESSIVE STRENGTH AGAINST AGEING/DEGRADATION** | | |
| Compressive Creep CC($i_1/i_2/y$)$\sigma_c$,$X_{ct}$ | NPD | EN 13162:2012 + A1:2015 |
| **DURABILITY OF FIRE AND THERMAL PROPERTIES** | | |
| Durability of Reaction to Fire Against Heat, Weathering, Ageing/Degradation | The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of product is related to the organic content, which cannot increase with time. | |
| Durability of Thermal Resistance Against Heat, Weathering, Ageing/Degradation | Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air. | |

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