

PRODUCT DATASHEET



PAROC SSB 1

Step sound board

Rigid, fire safe stone wool board with high acoustic insulation performance.

Impact sound insulation in intermediate floors. The product is used as a floating resilient layer underneath a floating concrete slab.

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-T5-DS(70,-)-CS(10)15-WS-WL(P)-MU1 |
| Package Type | Plastic Package |

| DIMENSIONS | | |
|---------------------|---------------------|--|
| WIDTH X LENGTH | THICKNESS | |
| 1200 x 600 mm | 20 - 100 mm | |
| According to EN 822 | According to EN 823 | |

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

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://paroc.com/thermal-resistance-table | EN 13162:2012 + A1:2015 |
| Thermal Conductivity λ_D | 0,035 W/mK | EN 13162:2012 + A1:2015 (EN 13162) |
| Thickness Tolerance, T | T5 | EN 13162:2012 + A1:2015 (EN 823) |
| Air Flow Resistivity A_{FR} | NPD | EN 13162:2012 + A1:2015 (EN 29053) |
| MOISTURE PROPERTIES | | |
| Water Absorption, Short Term W_S , (W_p) | $\leq 1 \text{ kg/m}^2$ | EN 13162:2012 + A1:2015 (EN 1609) |
| Water Absorption, Long Term $W_L(P)$, (W_{lp}) | $\leq 3 \text{ kg/m}^2$ | 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+A1:2015 |
| MECHANICAL PROPERTIES | | |
| Compressive Stress at 10 % deformation $CS(10)$, σ_{10} | 15 kPa | EN 13162:2012 + A1:2015 (EN 826) |
| Compressive Strength $CS(Y)$, σ_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, σ_{mt} | NPD | EN 13162:2012 + A1:2015 (EN 1607) |
| This board is the soft spring for step sound insulation. | | |
| 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 (EN 1606) |
| 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. | |



Head Office: PAROC GROUP, P.O. Box 240 (Energiakuja 3), FI-00181 Helsinki Finland, Tel. +358 46 876 8000, www.paroc.com

The information in this brochure describes the conditions and technical properties of the disclosed products, valid at the time of publication of this document and until replaced by the next printed or digital version. The latest version of this brochure is always available on the Paroc website. Our information material presents applications for which the functions and technical properties of our products have been approved. However, the information does not mean a commercial guarantee. We do not assume liability of the use of third party components used in the application or the installation of our products. We cannot warrant the suitability of our products if used in an area or conditions which are not provided in our information material. As a result of constant further development of our products we reserve the right to make alterations to our information material at any time. PAROC is a registered trademark of Paroc Group. This data sheet is valid in following countries: international use (general information).