PAROC ROB 80gt

Roof insulation, top layer

PAROC ROB 80gt Roof Board (compressive stress 80 kPa) is used as a load spreading top slab with grinded ventilation channels to achive thermal driven ventilation, in flat roof with moderate to higher load demands.

PAROC ROB 80gt´s compact and homogenous fibre structure, which in combination with a well planned ventilation, promote a long term, non-combustible solution.

The full-sized board covers large areas and the natural colored translucent fibreglass veil on the opposite side of the grinded channels, makes the board easy to handle and quick to install.

The veil also allows for more efficient use of mechanically fixed, glued or self-adhesive membranes.

Product Data Sheet **4.12.2025**

Dimensions (mm)

Width x Length	Thickness
undefined	undefined

For regional dimension options, please contact your local sales representative.

Product characteristics according to EN 13162

Designation Code	MW-EN13162-T5-DS(70,90)-CS(10)80-PL(5)700-TR(10)-WS-WL(P)-MU1
DoP Number	10289
Thickness Tolerances, T	T5
Reaction to Fire, Euroclass	A1
Thermal Conductivity, λ_D	0.038 W/mK
Water Absorption, Short Term W_p	≤ 1 kg/m²
Water Absorption, Long Term W_{lp}	≤ 3 kg/m²
Water vapour diffusion resistance factor MU	1
Thermal Resistance R	See table below
Dimensional Stability under Specified Temperature and Humidity Conditions DS(70,90)	≤ 1 %
Compressive Stress at 10 % Deformation CS(10)	80 kPa
Point Load	700 N
Tensile Strength Perpendicular to Faces TR, σmt	10 kPa

Fire Properties

PAROC Stonewool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C while the fire protecting properties remain unchanged. Stone wool has a high melting point of over 1000°C (internal test method).

Thermal Properties

Thermal Resistance $R_D = d/\lambda_D$

λ_D = 0.038 W/mK

Moisture Properties

PAROC Stonewool stays dry even in high humidity (RH 98%). Diffusion-open stone wool does not absorp or store water and it allows structural moisture bound to other materials to dry through the insulation layer (VTT-S-05337-17). PAROC Stonewool insulation is made of inorganic stone, and it does not provide nutrients to mold.

Environmental Properties

The European Certification Board for Mineral Wool products (EUCEB) trademark on our products confirms that PAROC Stonewool fibre fulfils the bio solubility requirements of EU directive No. 1272/2008. The German RAL quality mark confirms that the bio solubility and safety requirements are met according to the German technical regulation TRGS905.

PAROC Stonewool is made of stone. The volume of the product is ~98% air and only ~2% fiberized stone. The excellent properties of the product are based on the properties of the raw materials. PAROC Stonewool maintains its insulating ability and dimensions throughout the reference service life of the the building, which is considered to be minimum 50 years.

PAROC Stonewool is reusable and can be recycled into new stone wool products.

Certificates and Approvals

EC Certificate of Conformity	0809-CPR-1015

Storage and Installation

See PAROC Stonewool storage and handling guide on our website:

https://www.paroc.com/en/documents/uploads/stone-wool-handling-and-storing-instruction

Stone wool is easy to cut with a suitable wool knife. The boards with covering are cut from the covered side with a fine-edged knife. The insulation slabs are attached to the structure according to the designer's instructions. The most common fixing methods are the installation of insulation between the frame studs without fasteners and mechanical fixing to the substructure by screwing or gluing. Insulation slabs should always be installed tightly against frame studs, surrounding construction parts and other insulation boards. The seams of overlapping insulation layers should be overlapped.