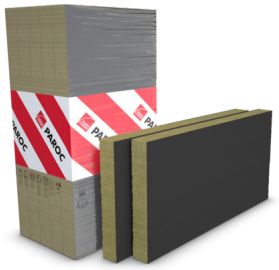
# PAROC Resono tb

PAROC Resono tb is a semi-rigid, sound-absorbing insulation slab (lambda 0,034 W/mK) with black tissue covering. It is designed for industrial and commercial environments with high noise levels.

PAROC Resono tb features a black tissue covering, enabling it's use as a final surface or behind open or perforated finishing layers. The black finish blends discreetly behind acoustic panels, enhancing sound absorption without compromising visual design. PAROC Stonewool insulation slabs helps to reduce sound reflections and revibration, improving acoustic comfort

Product is easy to cut and install with standard tools. It shall be protected from mechanical impact.

PAROC Resono products with thicknesses of 30-50 mm are certified with the M1 Indoor Air Classification.



**Product Data Sheet** **2026-11-06**

## Dimensions (mm)

| Width x Length | Thickness |
|---|---|
| undefined | undefined |

## Package Type

Plastic packs on pallet

Other dimensions are available on request.

Please contact sales for product dimensions, availability, and delivery information.

## Product characteristics according to EN 13162

| | |
|---|---|
| Designation Code | MW-EN13162-T5-DS(70,-)-WS-WL(P)-MU1-AP0,10-AW0,65 |
| DoP Number | 10353 |
| Thickness Tolerance, T | T5 |
| Reaction to Fire, Euroclass | A1 |
| Thermal Conductivity, $\lambda_D$ | 0.034 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 at Specified Temperature, DS(70,-) | ≤ 1 % |
| Sound Absorption, AP, AW | See table below |

| | AP | | | | | | |
|---|---|---|---|---|---|---|---|
| **d [mm]** | **125 Hz** | **250 Hz** | **500 Hz** | **1000 Hz** | **2000 Hz** | **4000 Hz** | **AW** |
| 30 - 49 | 0.10 | 0.35 | 0.85 | 1.00 | 1.00 | 0.95 | 0.65 |
| 50 - 99 | 0.25 | 0.70 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 100 - 149 | 0.80 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 150 - 250 | 0.90 | 0.80 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

## 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 $R_D = d/ \lambda_D$

$\lambda_D = 0.034$ 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.

## 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.

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