Fire-stop panel 035 RP coated on both sides

fire-stop panel according to DIN EN 13162 made of non-flammable mineral wool (MW) – building material class A1

- thermal conductivity: λ = 0.035 W/(mK)
- Dimensions: 800 x 206mm

Applications

- for use in flame retardant WDVS with EPS insulation panels

Properties

- behaviour in fire A1 - non-flammable
- Melting point > 1000°C
- non-glowing
- heat and sound insulating
- water-repellent
- vapour-permeable
- quick and easy to apply
- recyclable

Substrate

Condition / Testing

- The substrate must be dry, clean, load-bearing, dust-free, absorbent and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.
- The load-bearing capacity, particularly of old plaster and old paintwork, must be properly tested (e.g. by carrying out a pull-out test or cross-cut test).
- The insulating material should only be processed on dry substrates to prevent discolouration on the facade.

Pretreatment

- Uneven areas can be bridged up to 1 cm/m with bonded and up to 2 cm/m with bonded and anchored ETICS systems. Larger uneven areas in the substrate must be levelled mechanically or by applying a levelling plaster.

Processing

Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

Mixing / Preparing / Processing

- Cut insulation panels to length with an insulation knife or a saw.

Applying / Processing / Assembling

- The insulation panels are fastened according to the specifications of the respective ETICS-approval/type approval
- **Caution: Adhesive side = panel side with uncoated stripes**
- Bonding over the whole area in the combed bed method on even substrates: Apply adhesive mortar with a notched trowel over the whole area on the back of the panel.
- Position insulation panels tightly immediately, at the latest however 10 minutes after applying the adhesive, with at least 10 cm overlap butt jointed. Then press on the panels with a large, clean plastering float.
- Do not allow any adhesive mortar to get into the panel joints.
- The fire bar must be mechanically fastened in accordance with the General Building Inspectorate Approvals/General Construction Type Approval:
  - at least 10 cm to the upper and lower panel edges
  - maximal 20 cm zu den seitlichen Plattenrändern
  - maximum 20 cm to the lateral panel edges- maximum 40 cm to the adjacent anchor.

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Drying / Hardening
- The required intermediate rest time depends on the adhesive mortar used and the ambient and structure temperature.
- The drying and hardening process will be slowed down by low temperatures and/or high air humidity and accelerated by high temperatures and/or low air humidity.
- Insulated areas are to be protected from the effect of extreme damp and direct sunshine using suitable measures e.g. by covering the scaffolding. Apply reinforcement layer quickly.

Subsequent coating / workability
- It is possible to process bonded panels further once the adhesive mortar has hardened sufficiently.
- The necessary anchoring and the application of the reinforcement layer are possible once the adhesive mortar has hardened sufficiently.
- The reinforcement layer is applied to the flap side with the missing coating-free strip. Press filling is not necessary here.

Notes
- Take into consideration the respective system permissions when using the product in thermal insulation composite systems.
- The processing in special situations is described in Technical System Information 6, “ETICS systems on the subject of fire protection”, issued by the trade association for external thermal insulation composite systems.
- For more execution information about processing the product in the ETICS, see brochure “ETICS - basic principles and planning”.
- The panels must be anchored according to the structural analysis or the details according to the general building approval / general type approval issued by the DIBt that belongs to the system.
- Damaged or soaked insulation panels must not be installed. Adhesive mortar in the panel joints, the use of contaminated leftover panels as well as patchwork must be avoided.

Storage

- Store dry and as per instructions.
- Protect against direct sunlight.

Available insulating material thicknesses

- 60 mm, 80 mm, 100 mm, 120 mm, 140 mm, 160 mm, 180 mm, 200 mm, 220 mm, 240 mm, 260 mm, 280 mm, 300 mm

Technical Data

Designation key	MW-EN 13162-T5-DS(70,-)-CS(10)5-TR5-WL(P)-MU1
Application abbreviation	WAP-zg according to DIN 4108-10
Adhesive coating	coated both sides
Panel format	L x B (mm) 800 x 206
Fire behaviour	A1 (non-flammable) in accordance with EN 13501
Melting point	> 1000 °C according to DIN 4102-17
Nominal value of thermal conductivity λ	0.034 W(mK) according to DIN EN 13162
Rated value of the thermal conductivity λ	0,035 W(mK) according to EN 13162
Water vapour diffusion resistance μ	1 according to EN 12086
Tensile strength vertical to panel plane	≥ 5 kPa according to DIN EN 1607
Compressive stress at 10% compression	≥ 5 kPa according to EN 826
Dimensional stability at defined temperature	DS(70,-) according to EN 1604
Long term water absorption	WL(P) according to EN 12087

General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.