



TECHNICAL DATA SHEET

KEIM MW-LAIBUNGSPLATTE 035

1. PRODUCT DESCRIPTION

Rock wool insulation boards in accordance with DIN EN 13162.

2. FIELD OF APPLICATION

Soffit insulation boards for KEIM external thermal insulation composite systems in accordance with system approval: Z-33.43-185; Z-33.47-727; Z-33.41-188; Z-33.46-1187

Generally approved by the building authorities for: window and door reveals.

Suitable for: Masonry or concrete, rendered and unrendered; panel material in timber construction; ETICS upgrade system.

Application type according to DIN 4108-10: WAP-zg.

Not suitable for: horizontal and inclined surfaces exposed to weathering; saponifiable existing substrates

3. PRODUCT PROPERTIES

- with improved heat protection
- in a handy format
- excellent application properties
- fire behaviour: non-flammable, class A1 according to EN 13501-1
- harmless to health
- completely recyclable
- resistant to aging
- The insulation panels comply with the high standards of the VDPM e.V. (association for insulation systems, renders and mortars)
- Externally monitored by the MPA University Stuttgart

MATERIAL CHARACTERISTICS:

- CE marking code:	MW-EN 13162-T5-DS(70,-)-TR5-WL(P)-MU1
- Rated value of thermal conductivity:	0.035 W/mK
- Nominal value of thermal conductivity λ_D :	0.034 W/mK
- Panel size:	1200 x 400 mm
- Panel thickness:	20 - 50 mm
- Edge formation:	square
- Bulk density according to EN 1602:	approx. 95 - 125 kg/m ³
- Melting point:	≥ 1000 °C
- Glow tolerance according to DIN EN 16733:	no tendency to continuous smouldering
- Flow resistance per unit length:	≥ 40 kPa s/m ²
- Water absorption at long-term partial immersion:	WL(P) ≤ 3,0 kg/m ²
- Tensile strength perpendicular to the panel plane:	TR5 ≥ 5 kPa
- Thickness tolerance:	T5 +3 / -1 mm
- Width tolerance:	W2 ±2 mm
- Length tolerance:	L5 ±5 mm
- Squareness:	S5 ±5 mm/m
- Planarity:	P ±3 mm/m
- Colour shade:	yellow-brown

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues. The permanent compatibility of any existing coatings with the adhesive mortar must be examined by an expert. Strongly sanding or unevenly absorbent surfaces should be primed with KEIM Indulagua primer. Observe the Technical Data Sheet of the primer with regard to execution and dilution.

APPLICATION:

Cut to size using an insulation knife or a suitable insulation saw.

GLUING:

The insulation panels are butted tightly and glued in a bond from bottom to top. Apply the appropriate adhesive mortar to the insulation panels using the bead-and-dot method or over the entire surface. Push the boards into place. At the edges of the building, the insulation panels are glued offset. For full-surface gluing, apply the system-specific adhesive mortar to the insulation panels and, if necessary, to the substrate using a 10 mm toothed trowel. Immediately float the insulation panels into the fresh mortar bed with slight pressure. On panel materials in wood construction, the insulation panels are glued over the entire surface with the adhesive filler KEIM Klebespachtel. For this purpose, the adhesive filler is applied to the substrate or to the insulation panels with a notched trowel. Immediately after applying the adhesive, the insulation panels must be glued to the substrate. Closing of unavoidable defects and joints up to 5 mm wide with Iso Top Thermfoam B1 is permissible. General instruction with regard to gluing: Do not apply adhesive to the panel joints. Do not create an insulation panel joint over a joint in the substrate underneath.

DOWELING:

Check the adhesion of the insulation panels after at least 3 days. Insulation panels that are not bonded or damaged must be replaced. Anchoring is carried out in glued and dowelled ETIC systems with generally approved ETICS fasteners according to DIN EN 1991-1-4/NA. The required fastener quantity depends on the building height and the respective wind zone in which the object is located. In only glued ETIC systems, constructive anchoring with suitable ETICS anchors is permissible.

REINFORCEMENT:

After a sufficient setting time of the adhesive, apply the mixed, system-specific reinforcing mortar evenly to the insulation panels, preferably with a 10 mm toothed trowel. Embed the system-specific KEIM Glasfaser-Gittermatte (glass fibre mesh),

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overlap the edges by 10 cm and fill wet-in-wet with system-specific reinforcing mortar. The system-specific KEIM Glasfaser-Gittermatte should be embedded in the middle (layer thicknesses up to 6 mm) or in the upper third (layer thicknesses from 6 mm). Thickness of the reinforcement layer should be max. 3 - 15 mm.

5. PACKAGING / TECHNICAL DATA

Panel thickness [mm]	Rated value thermal conductivity [W/mK]	m ² per bundle	m ² per pallet	Bundle per pallet
20*	0,035	5.76	57.6	10
30*	0,035	3.84	38.4	10
40*	0,035	2.88	28.8	10
50*	0,035	1.92	23.04	10

PACKAGING / TECHNICAL DATA ADDITIONAL INFORMATION:

* Delivery in bundles only with at least one other pallet of insulation boards.

6. STORAGE

max. storage time	Storage conditions
no maximum storage time	dry protect against weathering

STORAGE INFORMATION:

Please note max. stacking height of 2 m. Transport packaging is not sufficient weather protection.

7. DISPOSAL

EC WASTE CODE:

Waste code: 17 06 04

8. SAFETY INSTRUCTIONS

Safety instructions UZ 140: Wear protective gloves / protective clothes / eye protection/ face protection. In case of contact with eyes: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue to rinse. Get immediate medical advice/attention. / Keep children away from fresh render. / Always comply with work safety instructions.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.