



TECHNICAL DATA SHEET

COVERROCK BR (MW-BRANDRIEGEL)

1. PRODUCT DESCRIPTION

Incombustible, mineral wool insulation, coated on both sides, as per DIN EN 13162. The grooved side is to be glued to the substrate.

2. FIELD OF APPLICATION

Facade insulation panels with blunt edges, as fire protection measure to preserve the flame resistance of ETIC systems with EPS insulation material and also solely approved and suitable for this application as fire barrier/fire protection strip in thermal insulation composite systems made of expanded polystyrene (EPS).

More information
on fire safety at
www.keimfarben.de



3. PRODUCT PROPERTIES

CE identification code: MW - EN 13162 - T5 - DS(T+) DS(TH) - CS (10)5 - TR5 - WS- WL(P) - MU1

Explanations of the CE identification code:

– T5	Thickness tolerance +3mm/-1 mm
– DS(T+)	Dimensions stability $\pm 1\%$ at $70 \pm 2^\circ\text{C}$
– CS(10)5	Compressive stress at 10% compression $\sigma_{10} \geq 5.0 \text{ kPa}$
– TR5	Tensile strength vertical to the panel level $\sigma_{mt} \geq 5.0 \text{ kPa}$
– WL(P)	Water absorption under long-time partial immersion $\leq 3.0 \text{ kg/m}^2$
– MU1	$\mu=1$
– Application	Solely as fire barrier
– Rated thermal conductivity	$\lambda = 0.036 \text{ W/mK}$
– Fire behaviour	A1 (DIN EN 13501-1)
– Density	$\geq 105 \text{ kg/m}^3$

4. APPLICATION INSTRUCTIONS

Gluing of KEIM MW Brandriegel is always performed over the entire surface using the floating-buttering-method. The adhesive mortar is applied full-cover with a middle bed

trowel to the grooved adhesive side of the MW Brandriegel and to the substrate. Press the KEIM MW Brandriegel immediately into the powder adhesive (KEIM Pulverkleber-90) and float into position. KEIM MW Brandriegel must be strictly dowelled with 3 anchors with a metal expansion element (ejotherm STR U 2G). Cuttings have to have at least 2 anchors per strip. Cuttings under 45 cm individual length are not allowed. Unavoidable gaps have to be stuffed with mineral wool.

Locations of individual fire barriers as well as necessary additional regulations are specified in the relevant building authority approval certificate. When designing an ETICS with render look the following fire barriers on masonry/concrete have to be performed.

Plinth fire barrier:

- Height of the des plinth fire barrier maximum 0.9 m above ground level or beginning of the ETICS.
- No additional plinth fire barrier is required in patios or balconies that are not ground-level and privately used and accessible.
- The plinth fire barrier line may be interrupted for door and window openings. Reveal insulation has to be performed non-flammable.

Ground level fire barrier:

- Height of the ground level fire barrier is about storey ceiling.
- Maximum distance to the ground level fire barrier is 3.0 m (if required additional fire barriers need to be installed).
- Up and down stepping is permissible up to a maximum height of 1.0 m.

Fire barrier in the transition 2nd to 3rd floor:

- Maximum distance to the fire barrier underneath is 8.0 m (if required additional fire barriers need to be installed).
- Up and down stepping is permissible up to a maximum height of 1.0 m.

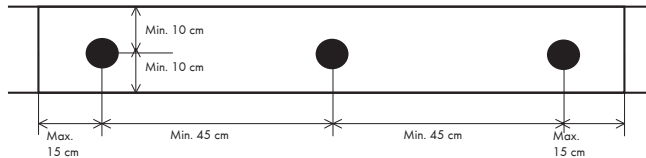
End fire barrier:

- Maximum distance of the end fire barrier is 1.0 m to the end of the ETICS.
- On mineral substrate
- When there is a safe protection in the roof parapet area against fire expansion to adjacent flammable insulation materials, an end fire barrier does not have to be installed.



Additional fire barriers:

- Additional fire barriers have to be installed in buildings from the 5th floor.
- Surrounding on every second floor
- Up and down stepping is permissible up to a maximum height of 1.0 m.



5. PACKAGING

Format: 1200 mm x 200 mm

Panel thickness mm	m ² per pallet	Bundles per pallet
100	11.52	12
120	9.60	10
140	7.68	8
160	5.76	6
180	5.76	6

Other thicknesses on request.

6. STORAGE

Keep in a dry place. Do not expose directly to the weather.
Maximum stacking height 2 m.

7. DISPOSAL

EC Waste Code No. 17 06 04

8. SAFETY INSTRUCTIONS

Giscode: Not applicable

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