



Technical data sheet



OMEGA ALUBIT VFK Vapour Barrier

Cold self-adhesive vapour barrier sheeting and airtight layer for roof constructions. When installed correctly it prevents the penetration of water vapour into the construction. OMEGA ALUBIT VFK Vapour Barrier can also be used for a limited time as a temporary seal.

Advantages

- Quick and easy to use
- Vapour-tight
- Resilient
- Full-surface self-adhesion
- Tear-proof
- Full-surface adhesive coating to ensure adhesion to substrate during construction phase
- CE marking according to DIN EN 13970

Field of application

- For airtight roof constructions
- Temporary waterproofing for up to 4 weeks (2% gradient)
- For use on trapezoidal steel sheets and woodwork
- In accordance with technical regulations on seals (flat roof directive) suitable as vapour barrier

Available dimensions

Article number	Roll width	Roll length	Rolls / Pallet	Total area
30MAB	1.08 m	25 m	24 rolls	648 m ²

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sd-value	1500 ≥ m	Material composition	Aluminium composite foil with reinforcement of glass fibre. Cold bitumen coating.
Elongation (EN 12311-1) lengthwise	≥ 2 %	Elongation (EN 12311-1) crosswise	≥ 2 %
Tensile strength (EN 12311-1) lengthwise	≥ 800 N / 50 mm	Tensile strength (EN 12311-1) crosswise	≥ 800 N / 50 mm
Thickness	0.6 mm	Weight	650 g/m ²
Colour	Light grey	Shearing resistance of the connection joints	≥ 200 N / 50 mm
Storage	cool and dry	Watertightness Method B	passed
Fire performance (EN 13501-1 / EN 11925-0)	E		

Recommended products

	OMEGA PLASTO Tape
	OMEGA AB Aluminium Tape
	OMEGA FROZEN Adhesive Paste
	OMEGA UNI XL Primer Spray

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Quality of substrate

Surfaces must be even, smooth, clean and free from dust, oil and grease. Concrete substrates must be even, smooth and set sufficiently. Use on rough concrete surfaces can result in damage to the aluminium composite. Depending on the condition of the substrate and the requirements, the substrates can be pre-treated with OMEGA UNI XL Primer Spray or UNI Primer Spray. For a bonded roof construction (all layers bonded) it is absolutely necessary to use OMEGA UNI XL Primer Spray or UNI Primer Spray on concrete and wooden substrates. This also applies when OMEGA ALUBIT VFK Vapour Barrier is pulled up high on the parapet. Longitudinal and transverse butt joints must be carried out with overlaps of min. 8 cm. Installation at: air temperature + 5 °C / substrate temperature + 5 °C



Joints / upstands an edges

Overlaps, joints and edges must be carefully carried out and sealed airtight. The OMEGA ALUBIT VFK Vapour Barrier must be continued at least to the upper edge of the thermal insulation and sealed airtight.

Note

OMEGA ALUBIT VFK Vapour Barrier may also be used for a limited period as temporary protection during construction. When greater differences in temperature or high stress on the membrane due to humidity levels are anticipated, joints must be additionally secured with AIRSTOP ULTRA. Similarly, lengthwise, after max. 12 m there must be a joint with overlap + OMEGA AB Aluminium Tape. In Austria, for horizontal ceilings and use category K2 and K3 the vapour barrier must meet at least E-ALGV-4, E-KV-4, E-KV-5 (OMEGA ALUBIT VFK Vapour Barrier is not possible, see ÖNORM 3691 Tab. 2). This can be avoided with a minimum 2 % slope (after deflection) of the structural ceiling. The normative requirements in the respective country must be observed!