



OMEGA BASETOP SK DUO

Is a high vapour-impermeable moisture and radon barrier. The special multi-layer sheeting consists of a quality corrosion-resistant aluminium layer with fleece reinforcement on both sides. The sheeting was specially developed as damp-proofing for use on floor slabs with ground contact as a protection against ascending moisture in accordance with DIN 18195-4 or on intermediate floors, as vapour barrier above rooms which are subject to a high degree of stress in terms of construction physics. The adhesive backing on both sides permits a quick, clean and tight seam during handling.

Advantages

- Highly flexible
- Resistant to perforation
- Alkali-resistant
- Vapour impermeable
- Water-tight
- Radon-tight
- Also available in narrower dimensions on request

Field of application

- seal on floor slabs with ground contact against ground moisture
- concrete floor against residual moisture
- intermediate floor as vapour barrier
- radon barrier
- vapour barrier below non-ventilated roof insulation

Available dimensions

Article number	Type	Roll width	Roll length	Rolls / Pallet
50MBTE	SK DUO	1.5 m	25 m	40 rolls

Technical data

sd-value	> 1500 m	Material composition	Aluminum composite foil and PP nonwoven fabric
Elongation (EN 12311-1) lengthwise	20 % (+/-10)	Elongation (EN 12311-1) crosswise	16 % (+/-10)
Tensile strength (EN 12311-1) lengthwise	1050 (+/-150) N/50 mm	Tensile strength (EN 12311-1) crosswise	820 (+/-120) N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	400 N (-150/+200)	Tear propagation resistance (EN 12310-1) crosswise	430 N (-160/+170)
Thickness	0.4 mm	Temperature resistance	-40-80 °C
Weight	260 g/m²	Colour	Lightgrey
Resistance to water flow (EN 1928)	W1	Shearing resistance of the connection joints	740 N (+/-40 N)

Fire performance (EN 13501-1 / EN 11925-0) E

Recommended products

	UNI XL Primer Spray
	UNI SPRAY Primer Spray
	OMEGA PLASTO Tape
	OMEGA FROZEN Adhesive Paste
	OMEGA Alu-Butyl RGD Pipe Sleeve

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Info

The sheeting is laid loosely with approx. 10 cm overlap on even ground surfaces which are free from sharp edges and soiling. If required the membrane can be bonded with the substrate over the entire surface using UNI XL Primer Spray (contact bonding method). If required the substrate may be pre-treated using UNI Primer Spray.

Adhesive technique

The construction product OMEGA BASETOP screed sheet is processed for the manufacture of the seal in conjunction with the following components:

OMEGA BASETOP SK screed sheet: Minimum width 20 cm.

With self-adhesive, waterproof acrylate coating.

Note: In the connection and finishing area on penetrating and rising components (walls, wall bases, door and window frames, etc.), the OMEGA BASETOP SK screed sheet also performs the sealing function.

OMEGA PLASTO Tape:

PES nonwoven with waterproof butyl adhesive, thickness 0.6 mm.

Note: In the connection and finishing area on penetrating and rising components (walls, wall bases, door and window frames, etc.), the OMEGA PLASTO tape also performs the sealing function.

Width at least 75 mm when bonding the transverse joints.

Width at least 200 mm with vertical flashing.

OMEGA Alu-Butyl Pipe Sleeve: for pipe penetrations.

Aluminium carrier with butyl adhesive (in various dimensions).

The OMEGA BASETOP SK screed sheet (screed sheet with full-surface acrylate coating) can also be used as an alternative to the OMEGA BASETOP SK DUO screed sheet.

The OMEGA BASETOP SK DUO is laid with an overlap of at least 100 mm and the sheets are bonded to one another by the integrated self-adhesive strips. If necessary, the substrate should be pretreated with UNI spray primer.

Adhesion on the following substrates

Wood, wooden composite boards (OSB, MDF, 3S-boards, chipboard, plywood...), synthetics, metal free from oxidation and rust, masonry, unsanded concrete. The materials used must be free from dust, grease and silicone, the substrates must also be dry and stable. For rough wood, similar uneven substrates, and at low temperatures, we recommend pre-treatment of the substrate with one of ISOCELL's primers. Please note that at low temperatures, and even at slight temperature changes, surface condensation may occur. This has the effect of a release layer and reduces adhesion. After applying the construction waterproofing a curing process takes place. Depending on the temperature this can take 6 - 24 hours. Only then is complete adhesion achieved.

Visual inspection

Before applying further layers, the OMEGA BASETOP screed sheet for waterproofing should be subjected to a thorough visual inspection and any damage must be eliminated in accordance with the manufacturer's recommendations. Further layers must be installed immediately after approval.

