

Technical data sheet

OMEGA 180 Roof Underlay



is an extremely diffusive underlay with two two-way acrylate adhesive strips for installation directly on the thermal insulation or the wood sheathing. Raintightness proved by Holzforschung Austria. (Report no. : 301/2003/2-T/HH). Type: Standard = without adhesive tape, SK DUO = double sided adhesive tape.

Advantages

- rain-tight, wind-tight
- uv-stabilized
- 100% recyclable
- easy to cut
- anti-glare
- anti-slip

Field of application

- for vented pitched roofs
- high quality protection for wood and insulation
- for installation directly on thermal insulation or wood sheathing

Available dimensions

Article number	Type	Roll width	Roll length	Rolls / Pallet	Total area
20MEGA	Standard	1.5 m	50 m	20 rolls	1500 m ²
20MEGA25	Standard	2.5 m	50 m	20 rolls	2500 m ²
20MEGA3	Standard	3 m	50 m	20 rolls	3000 m ²
20MEGASKWS	SK DUO	1.5 m	50 m	20 rolls	1500 m ²

Technical data

sd-value	0.025 (+ 0,035 / - 0,01) m	Material composition	3-layer PP fleece with two two-way acrylate adhesive strips
Elongation (EN 12311-1) lengthwise	35 - 70 %	Elongation (EN 12311-1) crosswise	50 - 90 %
Tensile strength (EN 12311-1) lengthwise	370 (-60) N / 50 mm	Tensile strength (EN 12311-1) crosswise	260 (-50) N / 50 mm
Tear propagation resistance (EN 12310-1) lengthwise	230 (- 50) N	Tear propagation resistance (EN 12310-1) crosswise	230 (- 50) N
Thickness	0.72 mm	Temperature resistance	-40-80 (short-term 100 °C) °C
Weight	180 (±10) g/m ²	Colour	Grey
UV-resistance	4 weeks	Resistance to water flow (EN 1928)	W1
Storage	cool and dry	Fire performance (EN 13501-1 / EN 11925-0)	E

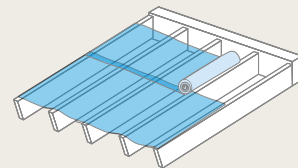
Recommended products

	OMEGA NDB Nail Sealing Tape ESK
	OMEGA NDB Nail Sealing Tape DSK
	PE NDB Nail Sealing Tape DSK
	OMEGA FROZEN Adhesive Paste
	OMEGA QUILLI Sealing Compound

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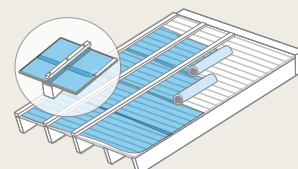
(1) Underlay (unsupported)

OMEGA Roof Underlay is nailed parallel to the eaves with a slight drape and laid and mechanically fixed above the rafters. Vertical overlaps/joins must always lie on a rafter. All overlaps must be bonded with OMEGA QUILLI Sealing Compound. Horizontal underlay panels can be joined using SK DUO adhesion as provided or with OMEGA QUILLI Sealing Compound.



(2) Underlay (supported)

The roofing membrane is laid on formwork parallel to the eaves as underlay. The sheets are nailed concealed at the ridge edges at a distance of 10 cm (marking edge). All overlaps/connections must be sealed with AIRSTOP ULTRA, AIRSTOP FLEX or the integrated adhesive strips (with sufficient contact pressure). The perforation protection requires sufficient pressure between the counter batten and the roofing membrane.

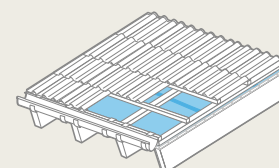


(3) Eaves construction

We recommend an eaves construction with drainage below the gutter so that snowmelt build-up can easily drain off. We recommend the use of a metal sheet to drain off water.

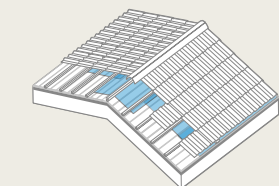
(4) Ridge area

The ridge area is closed directly when covered with OMEGA roof underlay. This provides immediate protection against water penetration. In non-insulated lofts and/or ventilated interior insulation the ridge formation must be made open: the blankets end 3 cm before the ridge apex, counter battens are mounted and a 50 cm wide strip of OMEGA roof underlay must be attached over the roof apex.



(5) Valley information

The first step in valley formation is to lay a continuous valley blanket.



(6) Penetrations

Sections cut out for roof penetrations (extractor pipes, roof windows, chimneys, etc.) should be kept as small as possible and the ends of the sheets must be fixed so that no rain or snow can penetrate. To achieve a perfect seal the suitable adhesive technology by ISOCELL GmbH & Co KG must be used. Make sure that the substrate is clean! The manufacturer can accept no liability for mechanical damage. The applicable regulations and guidelines (e.g. of the ZVDH (Central Association of German Roofers) for Germany, Austrian Standard, ÖNORM B 4119, for Austria, ...) must be observed! The impermeability of micro-porous webs can be impaired by wood preservatives, chainsaw oil or oily substances. Our application technicians will be glad to inform you! *The roof underlay does not replace roof covering. The roof must be covered during the period of the specified weathering time. Early covering has a positive effect on the resistance to ageing.*

