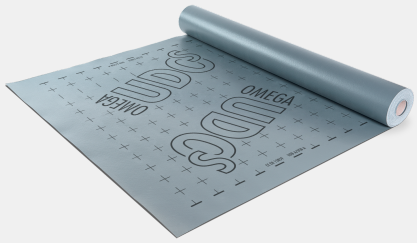

Technical data sheet

OMEGA UDOs 330 Roof Underlay

Is a vapour permeable roof underlay for installation directly on the thermal insulation or the wood sheathing. The underlay can be welded on the joints. The roof underlay is suitable for roofs with increased need for rain-tightness (because of small roof pitch for example). According to German classification it is UDB-A . The membrane guarantees extreme resistance against wind-driven rain while humidity in form of vapour still can pass the construction. Increased raintightness proved by Holzforschung Austria. (Report no. : 1158/2014-BB)

FIELD OF APPLICATION

- for vented pitched roofs
- minimum roof pitch 1,5°
- for installation directly on the thermal insulation / wood sheathing

RECOMMENDED PRODUCTS

	OMEGA N55 Adhesive
	OMEGA UDOs Pipe Sleeve
	PE NDB Nail Sealing Tape DSK
	OMEGA UDOs External Angle Moulding
	OMEGA QSM Welding Agent
	Hot Air Gun
	OMEGA NDB Nail Sealing Tape DSK
	OMEGA UDOs Flexible Pipe Sleeve
	OMEGA NDB Nail Sealing Tape ESK

AVAILABLE DIMENSIONS

Article number	Type	Typ	Roll width	Roll length	Rolls / Pallet	Total area
2UDOSK	SK DUO		1.5 m	30 m	40 rolls	1800 m²
2OMSTG	Standard		1.5 m	30 m	40 rolls	1800 m²
2OMST3G	Standard		3 m	30 m	20 rolls	1800 m²
2OMSTV	Vorkonfektioniert	Prefabricated				

TECHNICAL DATA

sd-value	0.18 (± 0,04) m	Material composition	PES fleece with TPU layer on both sides
Elongation (EN 12311-1) lengthwise	40 % (± 10)	Elongation (EN 12311-1) crosswise	50 % (± 10)
Tensile strength (EN 12311-1) lengthwise	300 (± 30) N/50 mm	Tensile strength (EN 12311-1) crosswise	350 (± 30) N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	260 (± 30) N	Tear propagation resistance (EN 12310-1) crosswise	240 (± 30) N
Thickness	≥ 0.75 mm	Temperature resistance	-40–100 °C
Weight	330 (+ 5%) g/m²	Colour	Light grey
UV-resistance	5 months	Resistance to water flow (EN 1928)	W1
Storage	Cool and dry	Fire performance (EN 13501-1 / EN 11925-0)	E

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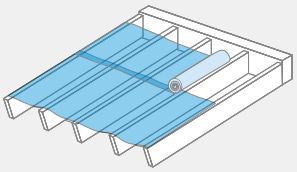
PROCESSING GUIDELINE

OMEGA UDOs 330 Roof Underlay

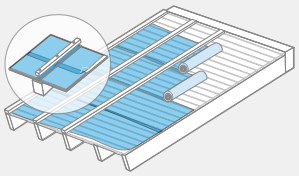
(1) UNDERLAY (UNSUPPORTED)

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. Glue all overlaps/connections with OMEGA N55 adhesive, or weld using a heat gun or OMEGA QSM solvent welding agent.



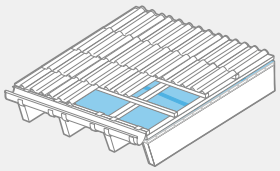
(2) UNDERLAY (SUPPORTED)

OMEGA UDOs 330 Roof Underlay is laid on sheathing parallel to the eaves. The blankets are fixed with concealed nails spaced at 10 cm at the ridge-side edges (marks at edge). All overlaps/joins must be bonded with OMEGA N55 Adhesive or to weld using hot air gun. For the raintight version (temporary cover) a nail-seal under the counter batten (OMEGA NDB Nail Sealing Tape DSK) is necessary. In accordance with the SIA standard 232, the ZVDH data sheet and ÖNORM B 4119, in case of increased requirements, the counter-battens must always be sealed with Isocell nail seals, e.g. with the OMEGA Nail Sealing Tape or, from a roof pitch of ≥ 5°, with the PE NDB Nail Sealing Tape DSK. The use of corrosion-resistant fasteners is recommended.



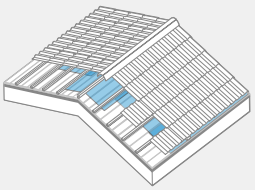
(3) EAVES CONSTRUCTION

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.



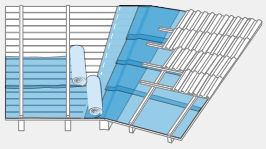
(4) RIDGE AREA

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.



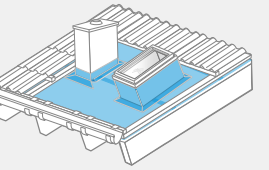
(5) VALLEY INFORMATION

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 minimum joint width must be 4 cm according to ÖNORM B 4119. The roof underlay does not replace roof covering. The roofing membrane is to be fixed with battens. In general, cross joints and lock seams are to be avoided. Welding temperature approx. 260 to 280 °C, depending on the ambient temperature. (Test welding is recommended). Please note the guidelines for installation of the OMEGA UDOs 330 Roof Underlay!



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