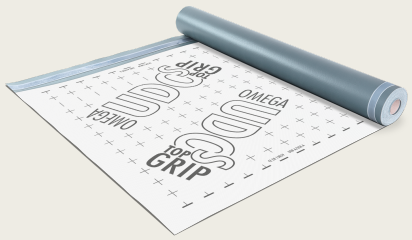
Technical data sheet

OMEGA UDOs 330 TopGrip



Is a vapour-permeable, weldable roofing membrane for laying directly on thermal insulation or wooden sheathing. The membrane is suitable for underroofs with increased rainproofing in accordance with ÖNORM B 4119 and corresponds with the classification UDB-A in compliance with the ZVDH (national Association of Roofers) standard. Can be used for extreme demands in accordance with the underroof category pursuant to SIA 232/1. Moisture in the building's interior can escape to the outside in the form of water vapour through the underroof membrane, at the same time providing tightness against wind-driven rain. Complies with the Swiss 'Gebäudehülle Schweiz' (building envelope) seal of approval for underroofs. Type: Standard = without adhesive tape, SK DUO = double sided adhesive tape.

Field of application

- for vented pitched roofs
- minimum roof pitch 1.5° (seam-welding)
- minimum roof pitch 5° (SK DUO)
- for installation directly on the thermal insulation / wood sheathing

Recommended products

	OMEGA UDOs Flexible Pipe Sleeve
	OMEGA NDB Nail Sealing Tape ESK
	OMEGA UDOs Pipe Sleeve
	Hot air gun/blower set incl. case
	OMEGA UDOs External Angle Moulding
	OMEGA N55 Adhesive
	OMEGA NDB Nail Sealing Tape DSK
	PE NDB Nail Sealing Tape DSK
	OMEGA UDOs 330 UV Eaves Protection Strip
	OMEGA QSM Welding Agent

Available dimensions

Article number	Type	Roll width	Roll length	Rolls / Pallet	Total area
2TOP	SK DUO	1.5 m	30 m	20 rolls	900 m²

Technical data

sd-value	0.25 m	Material composition	PES fleece with TPU layer on both sides, including fleece coating on top
Elongation (EN 12311-1) lengthwise	50 % (± 40)	Elongation (EN 12311-1) crosswise	60 % (± 40)
Tensile strength (EN 12311-1) lengthwise	420 (± 80) N/50 mm	Tensile strength (EN 12311-1) crosswise	430 (± 80) N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	280 (± 80) N	Tear propagation resistance (EN 12310-1) crosswise	320 (± 80) N
Thickness	≥ 1 mm	Temperature resistance	-40–100 °C
Weight	420 (±30) g/m²	Colour	Light grey
UV-resistance	12 months	Resistance to water flow (EN 1928)	W1
Storage	Cool and dry	Fire performance (EN 13501-1 / EN 11925-0)	E

ISOCELL GmbH & Co KG
Gewerbestraße 9
5202 Neumarkt am Wallersee
+43 6216 4108
office@isocell.at

ISOCELL France
170 Rue Jean Monnet
29490 Guipavas
+33 2 98 42 11 00
contact@isocell-france.fr

ISOCELL Sverige AB
Torshamnsgatan 35
164 40 Kista
+46 10-130 25 01
info@isocell.se

ISOCELL Schweiz AG
Herbergstrasse 29
9524 Zuzwil
+41 71 940 06 72
office@isocell.ch

ISOCELL Bureel België
Außenborner Weg 1
4770 Amel
+32 80 39 90 58
office@isocell.be

ISOCELL
www.isocell.com

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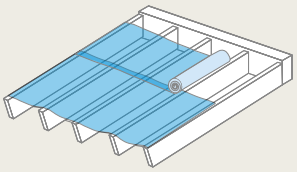
Processing Guideline

OMEGA UDOs 330 TopGrip

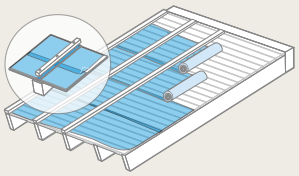
(1) Underlay (unsupported)

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.



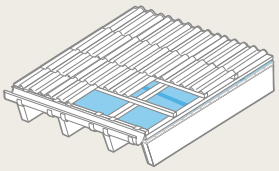
(2) Underlay (supported)

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/joints must be glued with OMEGA N55 adhesive or welded using a hot air gun and OMEGA QSM swelling welding agent. A nail seal (OMEGA NDB Nail Sealing Tape DSK) must be applied under the counter battens to ensure rainproof construction (temporary covering). 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.



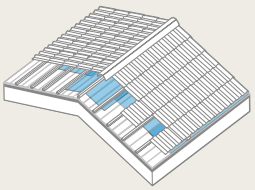
(3) Eaves construction

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.

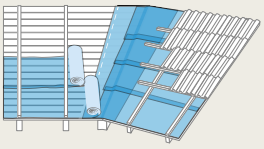


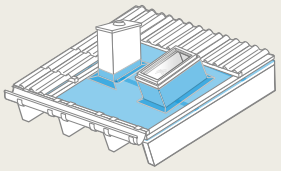
(5) Valley information

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!





ISOCELL GmbH & Co KG
Gewerbestraße 9
5202 Neumarkt am Wallersee
+43 6216 4108
office@isocell.at

ISOCELL France
170 Rue Jean Monnet
29490 Guipavas
+33 2 98 42 11 00
contact@isocell-france.fr

ISOCELL Sverige AB
Torshamnsgatan 35
164 40 Kista
+46 10-130 25 01
info@isocell.se

ISOCELL Schweiz AG
Herbergstrasse 29
9524 Zuzwil
+41 71 940 06 72
office@isocell.ch

ISOCELL Bureel België
Außenborner Weg 1
4770 Amel
+32 80 39 90 58
office@isocell.be

ISOCELL
www.isocell.com

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