

PRODUCT DATA SHEET

OMEGA UDOS 330 TopGrip Roof Underlay

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.






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

ADVANTAGES

- anti-slip fleece surface
- rain-tight
- air-tight
- five months UV light-resistant
- can be welded
- water-tight
- easy to bond (SK DUO)

RECOMMENDED PRODUCTS







-  OMEGA N55 RFU Bottle for dosing
-  OMEGA QSM Welding Agent
-  OMEGA NDB Nail Sealing Tape DSK
-  OMEGA UDOS Pipe Sleeve
-  Hot Air Gun
-  OMEGA UDOS Flexible Pipe Sleeve
-  OMEGA NDB Nail Sealing Tape ESK
-  OMEGA N55 Adhesive
-  PE NDB Nail Sealing Tape DSK
-  OMEGA UDOS External Angle Moulding

AVAILABLE IN THE FOLLOWING DIMENSIONS

Type	SK DUO
Roll width	1,5 m
Roll length	30 m
Roll area	45 m ²
Roll weight	21 kg

PRODUCT DATA (EN 13859-1 / EN 13859-2)



Material composition	PES fleece with TPU layer on both sides, including fleece coating on top	
Thickness	≥ 1 mm	
Colour	Light grey	
Weight	420 g/m ² (±30)	
sd-value	0,25 m	
Temperature resistance - Standard	-40 °C - 100 °C	
UV-resistance	5 months	
Resistance to water flow EN 1928	W1	
Expandability EN 12311-1	 50 % (± 40)	 60 % (± 40)
Tensile strength - Standard EN 12311 - 1	 420 (± 80) N/50 mm	 430 (± 80) N/50 mm
Tear propagation resistance - Standard EN 12310-1	 280 (± 80) N	 320 (± 80) N
Storage	Cool and dry	
Fire performance EN 13501-1 / EN 11925-0	E	

OMEGA UDOs 330 TopGrip 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.

All overlaps must be bonded with OMEGA N55 Adhesive or to weld using hot air gun.

(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 $\geq 5^\circ$, 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 FORMATION

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.

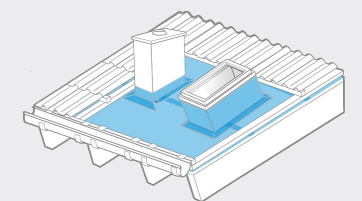
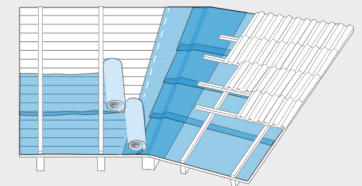
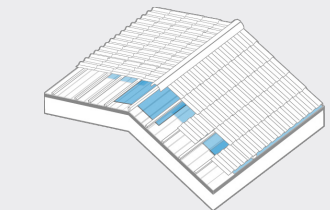
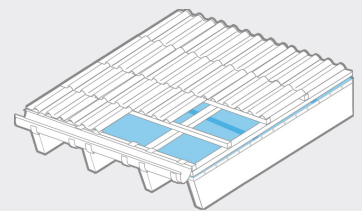
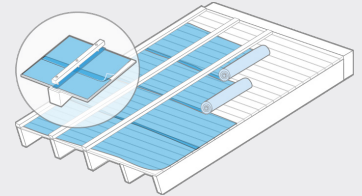
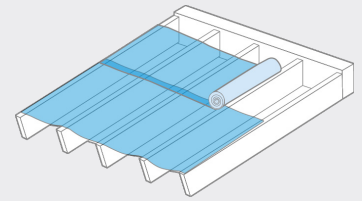
Make sure that the substrate is clean! The manufacturer can accept no liability for mechanical damage. The applicable regulations and guidelines (e.g. of the ZVDH (Central Association of German Roofers) for Germany, Austrian Standard, ÖNORM B 4119, for Austria, ...) must be observed!

The minimum joint width must be 4 cm according to ÖNORM B 4119.

The roof underlay does not replace roof covering. The roof must be covered at least 5 months after installation of the OMEGA UDOs 330 roof underlay. 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 | Österreich
Tel.: +43 6216 4108 | Fax: +43 6216 7979
office@isocell.at

ISOCELL SCHWEIZ AG

Herbergstrasse 29
9524 ZUZWIL | Suisse /Schweiz
Tel.: +41 71 940 06 72
office@isocell.ch

ISOCELL FRANCE

170 Rue Jean Monnet | ZAC de Prat Pip Sud
29490 GUIPAVAS | France
Tél.: +33 2 98 42 11 00 | Fax: +33 2 98 42 11 99
contact@isocell-france.fr

ISOCELL BUREEL BELGIË

Außenborner Weg 1 | Schoppen
4770 AMEL | Belgique
Tel.: +32 80 39 90 58 | Fax: +32 80 39 97 68
office@isocell.be

ISOCELL Sverige AB

Köpsvängen 10
168 67 BROMMA | Sverige
Tel.: +46 10 130 25 00
info@isocell.se

ISOCELL
www.isocell.com