

Omega Mono 200 Membrane

DESCRIPTION

An extremely diffusive roof underlay for installation directly on the thermal insulation or wood sheathing. The monolithic membrane guarantees higher UV-Resistance and far higher resistance to driving rain. Vapour diffusion through the membrane no longer occurs through membrane pores - as in non-monolithic membranes - but through vapour transmission through the monolithic membrane itself. Therefore, ensuring exceptional water-tightness against driving rain and vapour while at the same time remaining extremely breathable.

BENEFITS/USAGE

- For vented & non-vented pitched roofs
- Rain-tight, wind-tight
- UV-Stabilized for max. 4 months
- Permanent protection for wood & insulation
- Easy to cut
- Anti-glare
- Anti-slip
- Unaffected by the influence of wood preservatives, chainsaw oil or resin.
- 100% recyclable

PREPARATION

See guidelines for installation of Omega Roof Underlay. **Omega Quilli** should be used for the bonding of **Omega Mono 200 Underlay** or at joints. The standards according to ÖNORM B 4119 and/or ZVDH (Central Association of German Roofers) must be observed.

APPLICATION

Membranes should be overlapped by minimum 10cm and preferably sealed using **Airstop Tape/Quilli** or via the incorporated tape available in the **SK DUO**.

NOTE

Also available as **SK DUO** with incorporated pure acrylic adhesive strips on both sides for optional use.

PROPERTIES

According to classification EN 13859-1/EN 13859-2

Composition	3-layer PP fleece with monolithic membrane	
Roll Width	EN 1848-2	1,5m
Roll Length	EN 1848-2	50m
Roll Area	EN 1848-2	75m
Roll Weight	EN 1848-2	Approx. 15kg
Thickness	EN 1849-2	Approx. 0.7mm
Colour		Black
Weight per Unit Area	EN 1849-2	Approx. 200g/m ²
Sd-Value	EN 1931	Approx. 0.15m
Temperature Resistance		-40°C to +80°C (short-term +100°C)
UV-Resistance		Max. 4 months
Resistance to Water Permeability	EN 1928	W1
Elongation	EN 12311-1	Longitudinal: 63 (-13)% Lateral: 71 (-21)%
Max. Tensile Force	EN 12311-1	Longitudinal: 360 (-60) (N/5cm) Lateral: 280 (-30) (N/5cm)
Tear Resistance	EN 12310-2	Longitudinal 216 (-36) (N) Lateral 241 (-41) (N)
Storage		Cool and dry
Fire Performance	EN 13501-1	E



**EXTREMELY DIFFUSIVE
MONOLITHIC MEMBRANE**



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GUIDELINES FOR INSTALLATION OF OMEGA 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 Quilli. Horizontal underlay panels can be joined using SK-DUO's adhesion as provided or with OMEGA Quilli. (no pressure need be applied).

(2) Underlay (supported)

OMEGA 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 Quilli (without applying pressure) or the integrated adhesive strips (applying adequate pressure). For the raintight version (temporary cover) a nail-seal under the counter batten (OMEGA Quilli or OMEGA Nail-seal Tape) is necessary. The single-sided nail-seal tape must be attached to the roof underlay directly beneath the counter batten!

(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

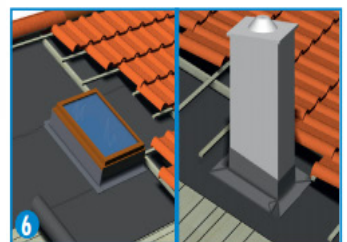
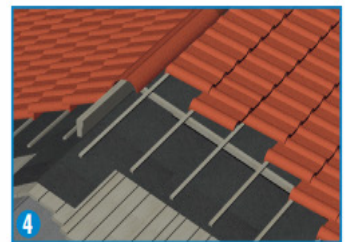
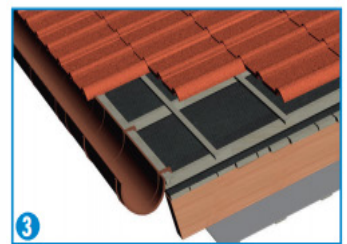
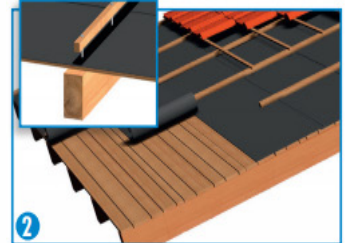
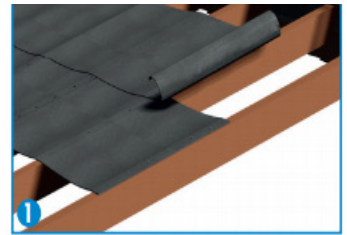
The first step in valley formation is to lay a continuous valley blanket.

(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 appropriate sealing tapes and sleeves supplied by ISOCELL GmbH 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!

Do not hesitate to contact our applications engineers who are always pleased to provide information! The roof underlay does not replace roof covering. The roof must be covered at least 2 months after installation of the OMEGA roof underlay



Recommended accessories

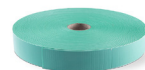
OMEGA QUILLI



OMEGA Nail-Seal Tape



PE Nail-Seal Tape DSK



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