

Omega WD Wind Seal Breather membrane for wall make-ups

DESCRIPTION

A highly vapour-permeable, 3-layer wind-tight membrane, made from textured polypropylene for installation directly on to external wood sheathing, such as OSB, panel vent or wood fibre board and thermal insulation. **Omega Wind Seal** protects the structure and the thermal insulation against the effects of wind and moisture while allowing the wall make-up to breathe and dry out towards the outside.

BENEFITS/USAGE

- High vapour permeability
- Wind-tight
- Tear-resistant
- Soft and robust
- Can be applied directly over insulation or wood sheathing
- 2 months UV-Resistance during construction phase

PREPARATION

The materials used must be free from dust and grease and the substrates must be dry and supporting. All sharp objects, such as nails, should be hammered home prior to installation.

APPLICATION

OMEGA Wind Facade Membrane is attached to the substrate using a stapler/tacker **with the printed side facing outwards**. For best results membrane should be overlapped by 10cm and sealed using either **Airstop Sealant 'Sprint'** or **Omega Quilli**. Alternatively, **Airstop Flex, Elasto or Ultra Adhesive Tape** can be used.

Recommended accessories

OMEGA Quilli



AIRSTOP Sealant SPRINT



PROPERTIES

According to standard EN 13859-2

Composition	PP-fleece-membrane		
Roll Width	EN 1848-2	1.50m 4'-11ft	3m 9'-10 ft
Roll Length	EN 1848-2	50m	164ft
Roll Area	EN 1848-2	75m ² 807ft ²	150m ² 1614ft ²
Roll Weight	EN 1848-2	8kg	15kg
Thickness		0.59mm	
Colour		Black	
Weight per Unit Area	EN 1848-2	100 (±10) g/m ²	
Sd-Value	EN ISO 12572	0.02m (+0.025/-0.01) 175 US perm	
Temperature Resistance	EN 1109	-40°C to +80°C -40°F - 104°F	
UV-Resistance	EN 1297 & EN 1296	2 months Passed	
Resistance to Water Permeability	EN 1928	W1 - no water penetration	
Elongation	EN 12311-1	Longitudinal: 75 N (-35/+45)% Lateral 90 N (±50) %	
Max. Tensile Force	EN 12311-1	Longitudinal 200 N (±10)N/50 mm Lateral 110 N (-10/+70)N/50 mm	
Tear Resistance	EN 12310-1	Longitudinal 80 N (-5/+40) N Lateral 110 N (-10/+40) N	
Storage		Cool and dry	
Fire Performance	EN 13501-1/EN ISO 11925-2	E	



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GUIDELINES FOR INSTALLATION OF OMEGA FACADE LINININGS

TIPS FOR PLANNING

The surface must be dry and clean, and there should be no sharp corners. The size of the wooden or metal substructure should be adjusted to match the width of OMEGA Facade Lining. Calculations should take into consideration overlaps of a minimum of 10cm. For mounting of OMEGA Facade Lining (mechanically or by adhesion) the bearing surface for attachment of the lining must be a minimum of 5cm. The adhesive functions as a seal and does not take the place of a strong bond. OMEGA Facade lining must subsequently be fixed mechanically. Battens / back ventilation must be provided between the lining and the visible wooden cladding!

(1) ROLL MEASUREMENT

Standard rolls can be cut to length using a circular saw / band saw. The cut edges must always overlap. (2) STORAGE OMEGA Facade Lining should be stored in a horizontal position and handled with clean hands and tools. Pay attention that OMEGA Façade Lining is not folded or bent.

(3) & (4) LAYING

Unroll OMEGA Facade Lining vertically from top to bottom (or horizontally from left to right). First position straight on one side and fix temporarily, then pull to the other three sides and guarantee that the OMEGA Facade Lining is tightly laid. Attach OMEGA Facade Lining to the supporting construction mechanically using tacker clips or similar. Secure all loose overlaps, corners and edges.

(5) ADHESIVE TECHNIQUE

Wind-tight adhesion at connections and overlaps of lengths of OMEGA Facade Lining are achieved using UNI Adhesive Sealant, OMEGA N55 Adhesive or OMEGA Facade Tape. When using SK DUO, adhesion at overlaps is made using the acrylate adhesive strips attached. Shake the adhesive well in the container and pour into the plastic bottle provided. Apply the adhesive in the area of the facade lining overlap, spread with a paintbrush and finally press on using a dispenser or clean cloth. Caution: do not let the adhesive flash off (so-called wet-in-wet adhesion).

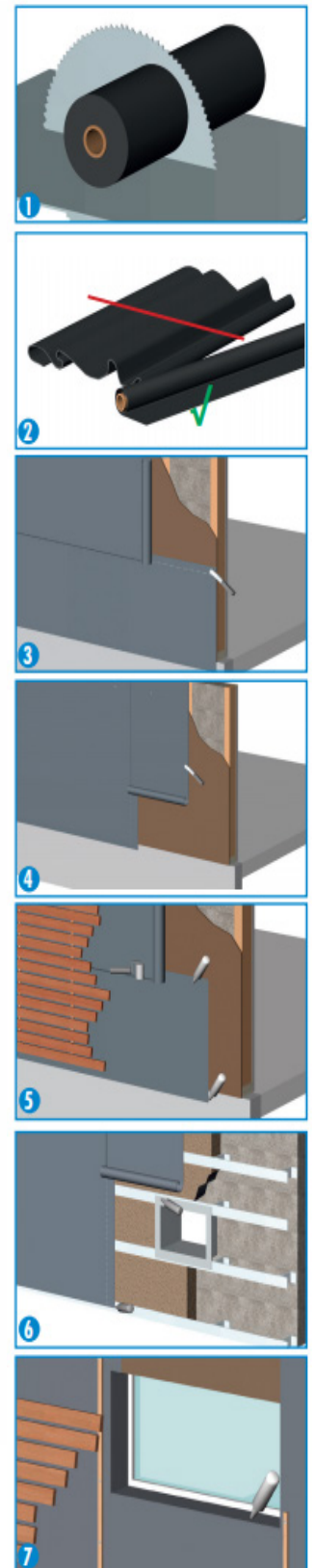
(6) CONNECTIONS

Use UNI Adhesive Sealant for connection to masonry or metal. Materials used must be free from dust and grease and the substructure must be dry and supporting. Always pre-treat connections on very absorbent substrates with Primer. Press OMEGA Facade Lining well into the applied sealant. Connection with metal, concrete, plastic and wood can also be carried out using OMEGA N55 Adhesive. Spread the OMEGA N55 on the substrate using a paintbrush, allow to flash-off and then bond wet-in-wet with an additional layer of OMEGA N55 and press the OMEGA Façade Lining on well. (Depending on the substrate adhesion of connections with OMEGA N55 can also be carried out in one process with wet-in-wet adhesion. As a rule we recommend an adhesion test.

(7) WINDOW CONNECTIONS

OMEGA Facade Lining can be fixed to a wooden, PVC or metal window frame using UNI Adhesive Sealant, OMEGA N55 or OMEGA Window Tape. Application as above, see 'CONNECTIONS'.

RESTORATION. Damaged spots can be glued wet-in-wet with a segment of Facade Lining and using OMEGA N55 Adhesive.



Recommended accessories

OMEGA UVKB



OMEGA N55 ADHESIVE



UNI MS SEALANT-ADHESIVE



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