



OMEGA FA Facade Lining G50

Is a diffusion open, UV-light resistant façade membrane for usage in ventilated facades behind timber sheeting. The membrane is limitless weather-resistant and permanent UV-light stabilized. To protect the membrane from a mechanical damage the openings in the façade covering have to be less than 50% of the area, and maximum 50 mm wide. In case of larger openings please contact our technical support. Object-specific approval might be possible.

FIELD OF APPLICATION

- under wood facades with up to 50 mm wide joints

ADVANTAGES

- rain-tight
- wind-tight
- UV-stabilized
- extremely diffusive
- easy to cut
- anti-glare







RECOMMENDED ACCESSORIES

-  **OMEGA** Facade Tape
-  **UNI** Adhesive Sealant
-  **OMEGA** N55 Sealant

AVAILABLE IN THE FOLLOWING DIMENSIONS

| | |
|-------------|--------------------|
| Roll width | 2,5 m |
| Roll length | 50 m |
| Roll area | 125 m ² |
| Roll weight | 28 kg |

PRODUCT DATA ACCORDING TO STANDARD EN 13859-2

| | | |
|--|---|---|
| Composition | PES non-woven fabric, acrylate coated | |
| Weight per unit area EN 1849-2 | 220 g / m ² | |
| Thickness EN 1849-2 | 0,35 mm | |
| Temperature resistance EN 13859-2 | - 40 °C - + 80 °C | |
| Sd - value EN ISO 12572 | 0,15 m (± 0,05) | |
| Colour | black | |
| Tensile strength EN 12311-1 |  262 N/50 mm |  264 N/50 mm |
| Elongation EN 12311-1 |  26,2 % |  30,3 % |
| Tear propagation resistance EN 12310-1 |  104 N |  85 N |
| UV resistance uncovered | 12 months | |
| Resistance to water penetration EN 1928 | W1 | |
| Long-term behaviour EN 1296 / EN 1297 | permanent long-life under facades with up to 50 mm wide joints | |
| Fire performance EN 13501-1/EN ISO 11925-2 | B-s2,d0 | |

03/2020_EN

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GUIDELINES FOR INSTALLATION OF OMEGA FACADE LINING

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 Facade 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 (Vertical joint bonding). 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

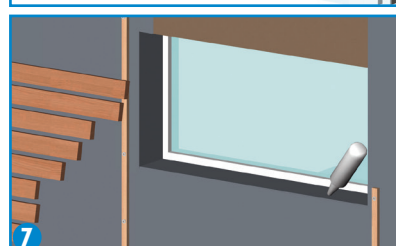
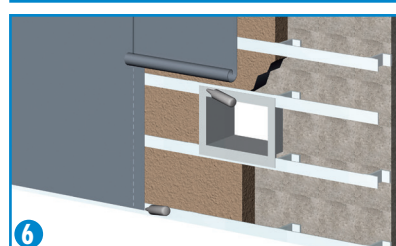
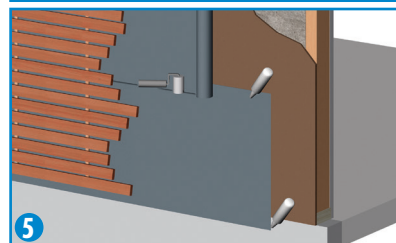
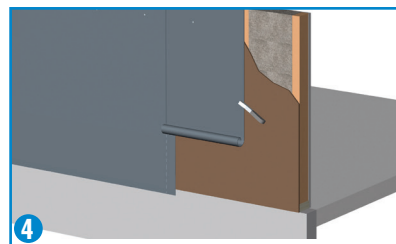
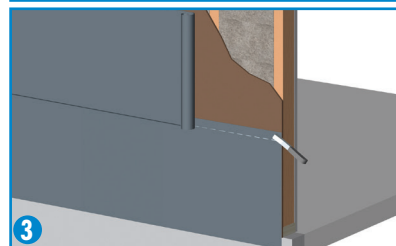
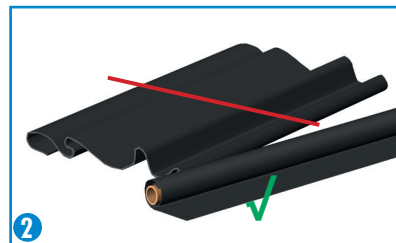
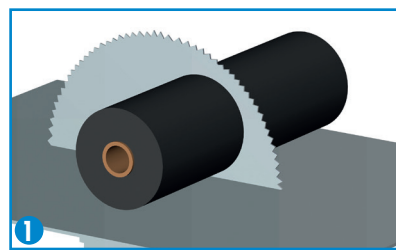
Use UNI Adhesive Sealant for connection to masonry or metal. Materials used must be free from dust and grease and the substructure must be dry and supporting. Always pre-treat connections on very absorbent substrates with Primer. Press OMEGA Facade Lining well into the applied sealant. Connection with 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 Facade 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.



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