



Winflex® Optima – Sealing tapes for abutment joints on windows and exterior doors. Corresponds to RAL installation guidelines and DIN 4108-7. Winflex® Optima allows transverse stretching for optimal absorption of structural movement.

**Type Mono:** with full-surface self-adhesive coating and split cover foil

**Type Duo:** with full-surface self-adhesive coating, split cover foil and adhesive strip for affixing to window frames



**Substrate:** The bonding surfaces must be smooth, dry, free of oil, grease and dust and inherently firm, stable and with load-bearing ability. A smooth finish is required in the embrasure, as per DIN 4108-7. It must be ensured, especially in low temperatures, that all bonding surfaces are free of frost or ice.

**Primer:** A primer is required on strongly absorbent, such as sandy, substrates and for stabilising these. We recommend our **Multi Primer** here.

**Application temperature:** Initial adhesion will be reduced when applied at temperatures between 0°C and -10°C. Although application will be possible at such temperatures, longer contact times will be required before the BOSIG High Tack adhesive reaches its ultimate strength. Tapes will be optimal to apply at + 5°C to + 35°C.

### Winflex® Optima Duo:

**Application to the frame:** Reel off and cut to length. The correct tape length will be twice the frame height plus twice the frame width plus at least 10 cm overlap. Peel off part of the top adhesive strip cover foil for the frame (not all of it) and press this against the window frame. Then apply the tape to the front face of the frame by continuously pressing it down whilst peeling off the white cover foil. Proceed in this way on all sides of the window frame that need sealing.

**Corner application:** Corners are formed by looping the tape forward and back whereby the self-adhesive strip for the window frame will be glued to itself.

The window element is now aligned and fastened. The cavity between window and wall may now be filled with the requisite volume of insulating material.

**Application in the embrasure:** Fully or partially peel away the split protective foil covering the full-surface self-adhesive layer as needed and thoroughly glue the tape onto the substrate. To do this, peel away the protective foil from the full-surface self-adhesive layer and continuously press the tapes into the embrasure, without creating air bubbles. Ensure that Winflex® Optima follows the substrate contours.

Ensure good adhesion of the tapes in the corners of the embrasure. Use a pressure roller for optimal adhesion.

### Winflex® Optima Mono:

#### Application to the frame:

Start by fitting the window frame in the embrasure, then fill the cavity between window and wall with the requisite volume of insulating material. Reel off Winflex® Optima Mono and cut strips of the tape for each of the four sides of the frame, i.e. twice window height and twice window width, allowing at least 10 cm extra on both sides. Peel half of the split cover foil (not all) away from the full-surface self-adhesive layer and carefully press this against the window frame. Allow adequate protrusion at the corners. Then apply the tape to the frame by continuously pressing down the self-adhesive layer and peeling away the cover foil. Winflex® Optima should be glued onto the frame 10 mm wide.

**Application in the embrasure:** Peel away the other half of the split cover foil from the full-surface self-adhesive layer as needed and carefully glue the tape to the embrasure. To do this, peel away the other half of the protective foil from the full-surface self-adhesive layer and press the tapes into the embrasure without creating air bubbles. Ensure that Winflex® Optima follows the substrate contours.

Ensure good adhesion of the tapes in the corners of the embrasure. Use a pressure roller for optimal adhesion.

### Corner application:

Firmly glue the overlapping tape strips together in the corners and onto the embrasure. No additional adhesive will be required if the full-surface self-adhesive layer is glued down correctly. A pressure roller is recommended. Proceed in this manner on all sides of the window to be sealed.



### Storage:

12 months from date of manufacture, in the sealed original container and in a properly ventilated storage area at temperatures between +10°C and +25°C.

### Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

These processing notes replace all previous versions and are valid until a new version is issued, or until Dec. 31, 2021. Please request the latest version after Jan. 01, 2022.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils