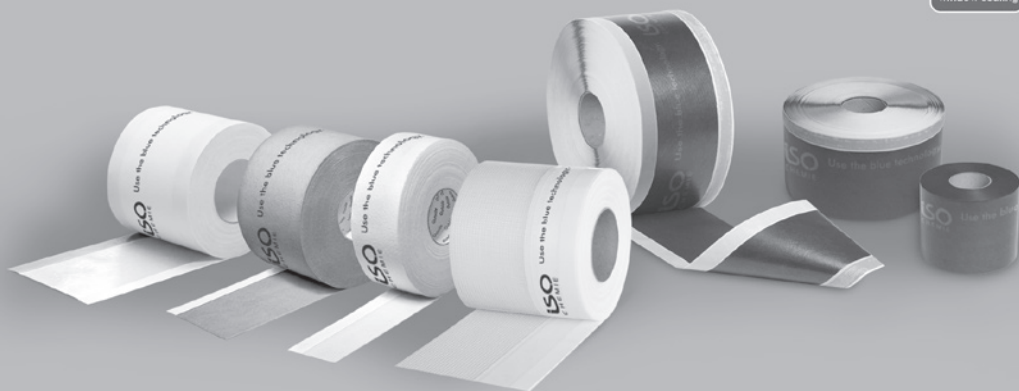


# INSTALLATION INSTRUCTIONS

## ISO-WINDOW CONNECTION FOILS

For the inner and outer sealing of connection joints  
on windows, doors and panels



- as protection from the influences of the weather
- to regulate airtight diffusion and vapour control
- to save energy

complies with the requirements of the Building Energy Act (EnEV was valid 31.10.20) and the recommendations of the RAL "installation guide"

Scan here to view  
construction site  
video 1:



Scan here to view  
construction site  
video 2:



## Window foils for external sealing

- ISO-CONNECT VARIO SD & „PADS“
- ISO-CONNECT VARIO XD
- ISO-CONNECT OUTSIDE „BLUE LINE“
- ISO-CONNECT OUTSIDE CL & CX
- ISO-CONNECT OUTSIDE EPDM
- ISO-CONNECT OUTSIDE FD

## Window foils for internal sealing

- ISO-CONNECT VARIO SD & „PADS“
- ISO-CONNECT VARIO XD
- ISO-CONNECT INSIDE „BLUE LINE“
- ISO-CONNECT INSIDE CL & CX
- ISO-CONNECT INSIDE EPDM
- ISO-CONNECT INSIDE FD

## PREPARATION

### FOIL

1. Determine width of foil according to structure connection joint and reveal depth.
2. Note: Ideally, if the foil is to be plastered over, no more than 50% of the reveal surface should be covered with the foil (i.e. with a reveal of 100 mm, a max of 50 mm should be covered with foil).

To achieve the optimum surface for finish plaster bonding, no more than 60 mm of foil should cover the reveal, with a minimum of 30 mm of this bonded to the reveal - ideally 75%.

3. Unroll window connection foil and cut to the desired size according to the window frame.

### ATTENTION

Add at least 50mm at each corner for shaping the gussets/loops. Always install the foils without tension. Especially EPDM foils tend to retract if applied under strain, which can lead to leakages.

### SURFACE

1. Ensure the surfaces to be bonded are free of dust, grease, moisture and any other de-bonding substances.

## Combinable system products in the ISO<sup>3</sup>-WINDOW SEALING SYSTEM\*

- ISO-BLOCO 600 & 300, ISO-TOP FACADE SEAL (external seal)
- ISO-BLOCO HF, ISO-BLOCO XTHERM, ISO-TOP ELASTIFLEX, THERMFOAM B1 & ISO-TOP THERMFOAM XL (middle seal)
- ISO-TOP ACRYLSEAL F (internal seal)
- ISO-TOP FLEX-ADHESIVE SP, SP+, XP & PA (for bonding the window connection foils)
- ISO-TOP BLUE PRIMER (to optimise the bonding surface for film adhesion)

\* For detailed information: [www.iso-chemie.com](http://www.iso-chemie.com)

2. Pre-treat porous and absorbent surfaces with a suitable primer. Note application temperature specified on the data sheets.

### TOOLS

- Tape measure or folding ruler
- Scissors or knife
- Pressure roller
- Application guns (ISO-TOP PRESSFIX & EASYPRESS) for adhesives

### APPLICATION

The application temperature for window connection foils is between +5°C and a max. of +45°C. For the use of EPDM foils, a temperature range of +5°C to a max. of +35°C applies. The minimum substrate temperature must be +5°C. For exceptions to the standard specifications, please refer to the individual product data sheets.

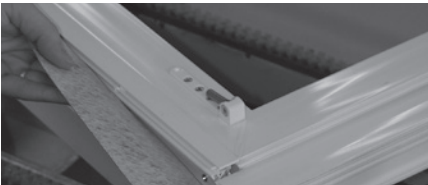
### Foil application to frame systems (for all foil types)

1. Remove release paper from self-adhesive acrylic strip (if existing), then apply the film on the clean and dry window frame and press or roll on firmly in place (pre-assembly possible). Butyl adhesive on EPDM films are intended to aid installation. The contact surfaces must then be

mechanically fixed in to place, by means of an aluminium window or clamping strip.

## NOTE

For adequate bonding min. 2/3 of the adhesive surface needs to be connected to the window frame, if need be apply running groove profiles.



2. Install window.
3. Insert thermal insulation into the window connection joint.

## TIP

For thermal insulation of the window connection joint (centre sealing layer) we recommend the joint sealing tape ISO-BLOCO HF, ISO-BLOCO XTHERM or alternatively ISO-TOP ELASTIFLEX or ISO-TOP THERMFOAM XL (apply after the installation of the window connection foils).

4. Stick the window connection foils to the reveal, tension free, with sufficient movement loop between the frame and the structure. We recommend ISO-TOP FLEX-ADHESIVE for foils without pre applied butyl adhesive. When using Flex-adhesive, apply sufficient adhesive that a strip at least 30mm wide and 1 mm thick is available after the foil has been pressed in place (see notes for application too).

## TIP

Minor irregularities on the substrate can be compensated by applying sufficient adhesive.



5. In areas to be wet plastered over the adhesive should be applied over the whole area if possible. Leave a maximum film area of 20 mm without adhesive between reveal and frame to allow for any movement.

## ATTENTION

For product version with self-adhesive (ISO-CONNECT VARIO SD FINISH FIX /COMPLETE), pre-treat the substrates with primer and then apply and roll down the self-adhesive to the clean, dry surface.

## NOTE

The window connection foil must always be fitted without tension. In order to avoid tension over long lengths, the foil must be cut off at least every 6 metres and butt-joined again. The overlap should be at least 50 mm and with vertical joints the upper foil must be glued over the lower one.

6. Press the window connection foil to the building structure using a suitable pressure roller, so that the entire bonding surface of the product (also with self-adhesive) is applied firmly to the substrate. Large, heavy foil strips may have to be fixed mechanically with a clamping strip.

## NOTE

The fleece foils can be plastered over once the adhesive paste has dried sufficiently to be able to bear the weight of the plaster. Only the fleece-laminated side can be plastered over.

## ATTENTION

After the installation of the outer window connection foil it must be, as a rule, be protected from direct strong UV light within three months (e.g., render, window sill, insulation system, cladding). Please note the individual time periods on the product data sheet for the related product.

## CREATING THE CORNERS

At the corners, create gussets or loops of at least 30 mm with the window foil being bonded to itself over the full length of the gusset/loop, and to the corner of the window, to ensure an airtight seal.

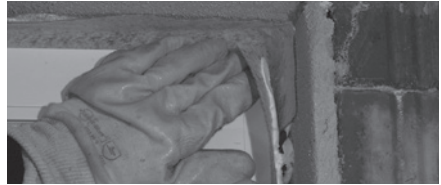


Alternatively, the corners of the window connection foil can be created by overlapping. The overlap should be at least 50 mm.



## ATTENTION

Corner and foil overlap must be glued using ISO-TOP FLEX-ADHESIVE.



## INSTALLATION OF PRODUCTS WITH SELF-ADHESION

### NOTE

The adhesive is cured within the first 24 - 48 hours. After that the fleece side of the foil can be plastered over.

## BONDING TO MASONRY / WALL CONSTRUCTION

The bonding can be performed on masonry and/or wood based substrates. If required use a primer to aid adhesion. Independent tests are recommended. Where necessary cut the insulation back. Place foil without tension to the masonry surface. Fix the foil by holding it in the right position and remove the protective cover film. Press the window connection foil into place on the structure using a suitable pressure roller. Cracks or leaks can be fixed with a foil patch. Cut a piece out of the sticky area on the roll of foil then place and press it onto the damaged part.



The information in these installation guidelines are based on our current knowledge. They are intended to serve as general information and guidance only. Due to the wide range of possible influences during processing and application, they do not exempt the user from carrying out his own tests and trials. No warranty or liability is given or implied for certain properties or suitability for a specific application. In addition, we would like to point out that the specifications from the "installation guide" of the RAL Quality Association for Windows, Facades and Front Doors e.V. as well as nationally and internationally applicable standards and the generally recognised rules of technology must be observed. We reserve the right to modify, or change, the specifications and information without advance notification.