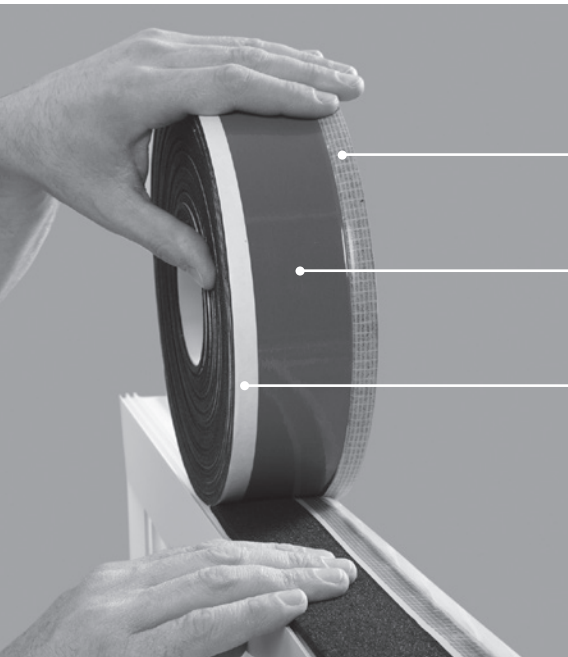


INSTALLATION INSTRUCTIONS

ISO-BLOCO ONE



Multi-function joint sealing tape
For 3-level sealing of door and window joints



INSIDE

airtight and
vapour resistant

CENTRE

thermal and
acoustic insulating

OUTSIDE

≥ 750 Pa
weathertight

Scan here to view
construction site
video 1:

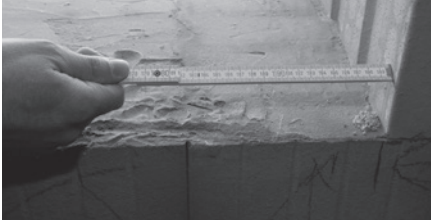


Scan here to view
construction site
video 2:



PREPARATION

1. Remove coarse dirt and mortar residue from the window opening. Brickwork joints must be rendered evenly. Remove dust, oils and other dirt from the frame.
2. Measure the window opening.



3. Determine the fitting depth of the window frame and the maximum width of the joint between window and wall.
4. Select the dimensions of the tape according to the fitting depth of the window frame and the recommended range of the joint size. (See carton label).
5. The tape size is determined by the individual sides of the window frame. Expansion reserve and adding of the corner formation must be considered according to the width of the joint.
 - Horizontal + 3 mm
 - Vertical + joint width + 3 mm



TIP

Place the window frame horizontally on suitable supports (trestles) for the pre-fitting of the multi-functional tape.

EXPANSION TIMES

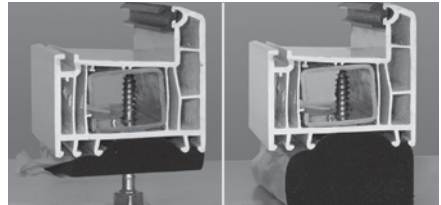
In general heat increases and cold decreases the expansion process time of the tape. Not only does the ambient and joint surface temperature play a part in this but so does the temperature of the tape itself. For this reason the tape should always be stored at normal „room“ temperatures (20°C / 50 % rel. humidity). The product is designed to allow sufficient time for the individual fitting stages.

TOOLS

- Measuring tape or ruler
- Scissors and knife

ACCESSORIES

For fixing, supporting the load and adjusting window elements, the use of window-adjusting anchors are recommended.

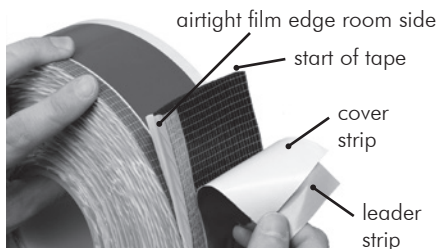


NOTE

In general, when fixing and supporting the load of doors and windows (e.g. by blocking) the „Guidelines for the planning and fitting of windows and doors“ of the RAL Quality Association Windows and Doors (RAL-Gütegemeinschaft Fenster und Haustüren e.V.) should be followed.

APPLICATION

1. Cut off the leader strip at the start of the roll using scissors. Detach the leader strip from the airtight film edge and pull it off.



NOTE

After cutting the joint sealing tape to length, securely reseal the start of the tape on the remaining roll with the self-adhesive leader strip for temporary storage.

2. Cut off the start of the tape straight (as about the first 2 cm cannot be used generally) and remove a length of the cover strip from the adhesive side of the tape.

ATTENTION

Before adhering the joint sealing tape, take care that the air-tight film edge is pointing towards the internal side of the window frame.

3. Firmly press the adhesive side of the joint sealing tape along the window frame.

NOTE

The tape must be at least approx. 1–3 mm from the outer edge of the frame to avoid swelling. To ensure flush plastering is carried out correctly, the foil should sit firmly in the construction joint, folded or pushed inwards to achieve this, so that it lies against the foam.

For adhesion around the entire frame, start to attach the tape at the middle of the upper edge of the frame. At open

ends (start/finish) oversize the sealing tape by approx. 5 mm to form a tight butt-joint against itself, forming a continual seal around the frame.

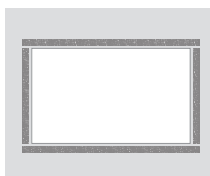
4a. Corners „continuous“

At the corners, form the joint sealing tape into a gusset or a loop (aligned in the direction of the mitre). The length of the loop is calculated in the following way: dimension of the gap at the side plus dimension of the top gap divided by two. Example: $15\text{ mm} + 20\text{ mm} = 35\text{ mm} / 2 = \text{approx. } 17\text{ mm}$ looplength.

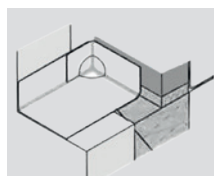


4b. Corners „butt joint“

As an alternative to forming a gusset, and necessary for timber framed houses with brick/concrete facades, the joint sealing tape can be butt-jointed at the corners. For the top and bottom length of tape, the gap dimensions on the right and left must be added (see sketch).



butt joints



secondary window foil protection for horizontal cills

NOTE

For the bottom outer seal we recommend the use of ISO-CONNECT VARIOXD window connecting film. The foil should be fitted as a tray under the window sill. The foil on the window sill connection profile, as well as on the sides of the reveal should be a minimum of 2cm high.

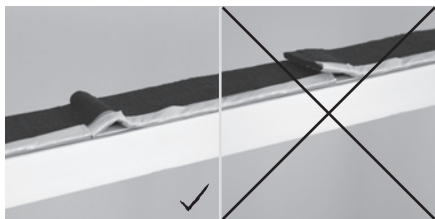
DIRECT FIXING WITH SCREWS

Drill the holes for the window screws in the window frame. The holes can be drilled through the still compressed adhered joint sealing tape. If necessary, fix the joint sealing tape by hand in position.



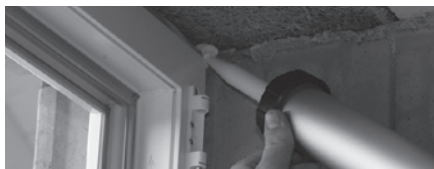
BUTT JOINTS

The joint sealing tape can be butt-joined. The joints must fit together precisely. Therefore cut off carefully and butt joint the two ends of the tape with approx. 5mm excess length.



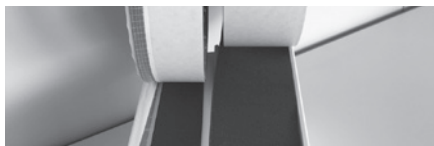
ATTENTION

To achieve a 100% airtight seal, internal corner joints and tape butt joints must be sealed with ISO-TOP FLEX-ADHESIVE at both sides after fitting. On the foil side, the sealing is done preferably with ISO-TOP FLEX-ADHESIVE PA. It's important to seal the foil tube shut. Therefore, fill up the end of the foil by squeezing the adhesive into the tube shape prior to installing the window. The closed internal foil tube then acts like an air cushion. At the corners, the joint between tape and the wall should also be filled with approx. 15mm (the size of a hazelnut) of adhesive. Afterwards it needs to be smoothed using a damp finger.



DEPTHS GREATER THAN 82 MM

ISO-BLOCO ONE „SET“ is available for construction depths greater than 82mm. It combines a ISO-BLOCO ONE tape with a suitable extension tape. The extension tape is supplied in the same joint dimension and suitable width to suit the joint (see data-sheet/p rice list) but without inner sealing membrane. The two sealing tapes are bonded parallel with each other onto the frame with a small gap (2-4mm) in-between. They can be applied together or separately. Installation continues as described above.



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.