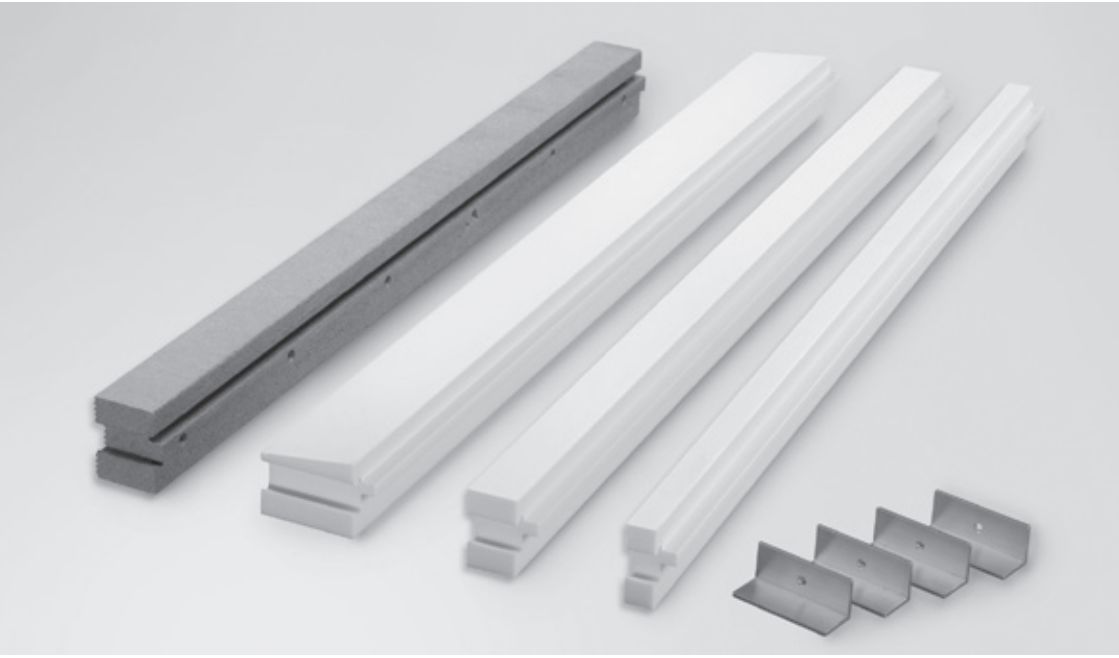
INSTALLATION INSTRUCTIONS

IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 3“

ISO CHEMIE
Use the blue technology.



Scan here to view construction site video:

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PREPARATION

Read the instructions through completely before starting work. If anything is unclear or you have any questions, please clarify these points first with the supplier. When using the material for the first time, we recommend instruction through a trained employee or representative from the supplier.

Clean the masonry of any coarse soiling and mortar residue, level out the masonry joints and any breaks in the masonry with a finishing layer. In addition, the flatness of the base is required for air-tight connection to the masonry. In case of heavily undulating surfaces less than 5 mm / m it is recommended to push the profile to the highest point so that the bumps are largely balanced. The wall must be dry, firm, grease- and ice-free and have a sufficient load-bearing capacity. Adhesion tests are recommended.

The bonding of the system profiles to the wall is a component part of the airtightness of the connecting joint and has to be done directly on the entire surface. The whole area of the in front of wall installation system ISO-TOP WINFRAMER „TYPE 3“ must be bonded directly to the wall. Packing out in places to level off is not allowed. The load-bearing capacity of the in front of wall installation system is created by the direct bond to the load bearing masonry.

CUTTING TO SIZE

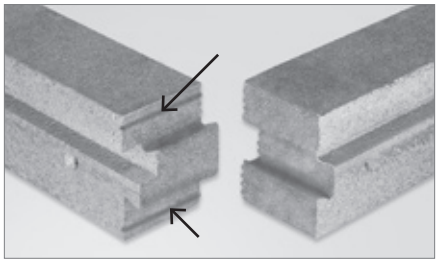
The system profiles can be cut to size using a standard mitre saw, a jigsaw with a long, coarse blade or a hot wire or hot blade.

NOTE

The following description applies to the installation of both system brackets and system boards in the same way.

LONGITUDINAL JOINT WITH DOVETAIL CONNECTION

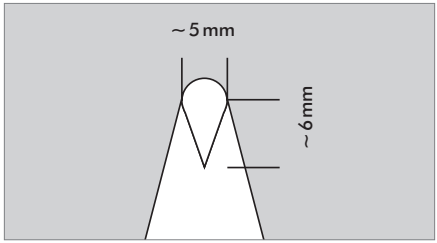
ISO-TOP WINFRAMER SYSTEM PROFILES are equipped, for quick and easy installation of several brackets, with a dovetail connection. The adhesive grooves (see arrows) are filled with ISO-TOP FLEX-ADHESIVE WF at the end faces and are then pushed together. Any remaining sections > 250 mm long may still be used.



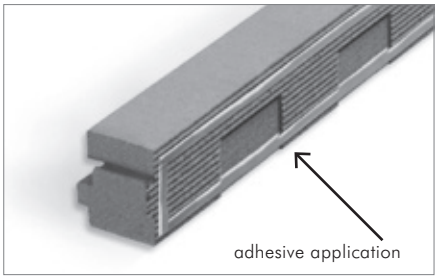
FITTING

The adhesive surfaces must be cleaned before fitting. The adhesive surfaces should be as dry as possible, firm, free of ice, grease and loose mortar residue. A primer (ISO-TOP BLUE PRIMER) must be used on sandy surfaces if necessary.

The system adhesive ISO-TOP FLEX-ADHESIVE WF is applied to the system bracket. For accurate application, the precut nozzle should be used. If there are no pre-cut nozzles available, the nozzle must be cut as shown below. Cut the tip of the nozzle off so that the opening radius is approx. 5 mm. Then cut a triangle out on one side, about 6 mm long and with a front width point of approx. 5 mm. Pre-cut nozzles can be shortened if necessary.



Adhesive is applied to the system profile as shown in the illustration below.

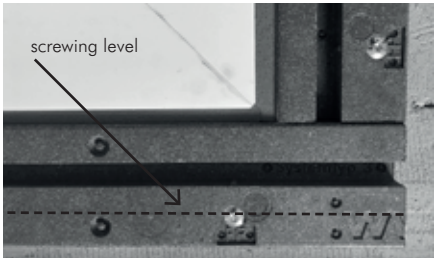


Fitting starts with bottom horizontal system profile. Once completely fitted, fix the other system profiles clockwise. After the adhesive beads have been applied, the system bracket is pressed onto the masonry, settled in place (moved in all directions to ensure the adhesive is evenly distributed) and positioned horizontally using a spirit level. When compressing the ISO-TOP WINFRAMER SYSTEM PROFILE onto the surface, the adhesive must be distributed that the entire back of the system angle is wetted. This is the case when the glue on the edge of the visible reveal of the system aangle becomes visible over the full length. The adhesive bead should reach a width of approx. 30 mm and be less than 4 mm thick. If the adhesive layer is too thick, this will have a negative effect on the load-bearing capacity.

NOTE

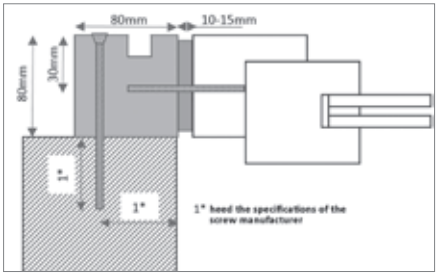
The ISO-TOP WINFRAMER SYSTEM BRACKETS can be fixed in place on the masonry using clamp- or screw-type vices whilst installation.

In addition, the system brackets are bolted mechanically all the way round (screws with approval). The fixing screws must be selected to match the masonry material and must have flat heads (e.g. 7.5 mm window screws, heed the specifications of the screw manufacturer, including the edge distance of the masonry). The screwing level and spacings are embossed (FP = fixing point) on the front of the system profile (beneath the ISO-Chemie lettering).



Only countersink the screw heads halfway into the material. If the screws cannot be fitted at the marked spacings, they should be distributed as follows:

Starting approx. 160 mm from the top end of each system profile with a centre to centre distance from the next screw of approx. 660 mm.



The system profiles at the side are fitted on top of the bottom horizontal bracket. When the side system bracket is fitted, adhesive must be applied to the joints (see next picture). This bonding using the system adhesive ISO-TOP FLEX-ADHESIVE WF is necessary to achieve an air tight installation layer. There must always be a flat connection without dovetail in the corners.

On the top horizontal system bracket, the butt joint to the masonry must be protected from water penetration during the construction phase by an additional adhesive bead or foil cover.

NOTE

The adhesive surfaces must be always placed, so that no air entering through the adhesive surface from the side of the room to the outside is possible. This is the case, once the adhesive compound is escaping at the reveal transition and in the corners.

NOTE

If due to uneven surfaces e.g. airtight connection all around the masonry not possible we recommend the bonding of the window connection foils on the inside of the masonry to seal the window.

The system adhesive is only approved for use down to ≥0 °C on frost-free surfaces. These minimum temperatures applies to the ambient and bonding surface temperature. At low temperatures the drytimes lengthen considerably. We recommend that you test the adhesive first on two or three 30 cm system brackets and to check at intervals of a few days ago on strength.

After the system profile has been fitted, the window systems are installed in accordance with the generally accepted technical guidelines. Here, the specifications published in the "installation guide" (current edition) issued by the RAL-Gütegemeinschaft Fenster und Haustüren e.V. (RAL quality assurance association for windows and doors) must be heeded. Fixing screws, window screws can be used for screwing the windows system to the IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 3". Therefore the technical specifications of the screw manufacturer must be heeded.

ALTERNATIVE WITH ALUMINIUM CONSOLES INSERTED INTO THE CONSOLE SLOTS

The ISO-TOP WINFRAMER SYSTEM PROFILES are equipped with console slots on the back. Matching aluminium consoles fit into the console slots which are adjusted to the dimensions of the brackets.

Just before the system profiles are fitted to the wall surface, wet these aluminium consoles with ISO-TOP FLEX-ADHESIVE WF and insert them into the console slots. Position the hole in the console so that it lies flat aginst the wall surface. During fitting, introduce the screw into the 8 mm drilled hole from the front of the system profile and fix to the wall*. In the next window fitting step, the window screw used can then be screwed through the aluminium console (after predrilling a 6 mm hole). This enables the window loads to be absorbed directly by the aluminium console (TRAV and ETB).

NOTE

Individual maximum loads per / m related to specific construction surfaces can be found in the test certificates. Please contact us , if you have any technical questions regarding our IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 3".

NOTE

A combination of the different types of ISO-TOP WINFRAMER on one unit are allowed, provided the technical and static parameters are met.

* Fixing point marked on the brackets (FP) .