

Installation instructions

Mounting of openable bolted frames



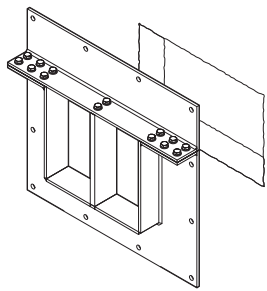
Safety information

Roxtec recommends that all installations are performed without facility operation. Follow national regulations and installation codes. Any action affecting the routed service should be performed according to manufacturer recommendations.

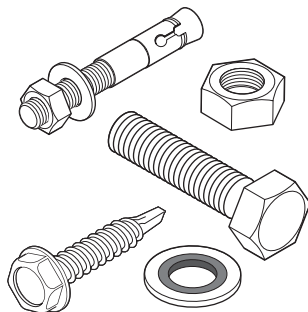
General information

Rectangular frames come in many different designs. The application and structure decide what frame and gasket to use. Consult Roxtec for guidance or visit roxtec.com for more information.

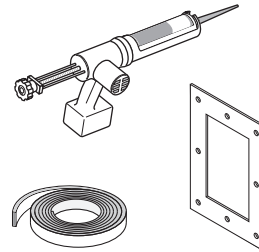
Components



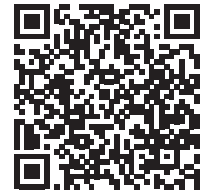
Openable rectangular frame



Fasteners with Ø8 are recommended

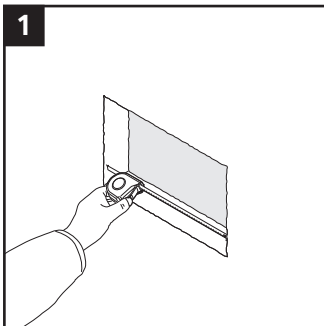


Sealing methods

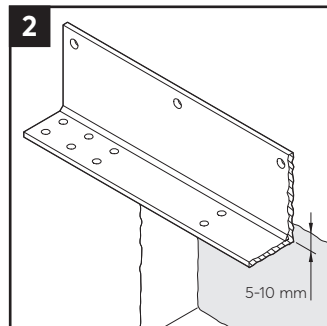


Sealing method depending on structure, see "Selection guide for metal frames, sleeves and gaskets" at roxtec.com for further information.

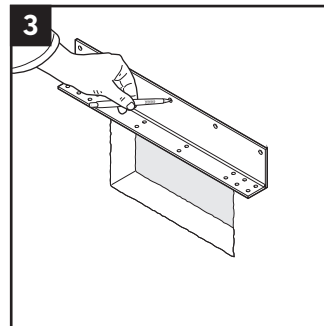
Attach the frame



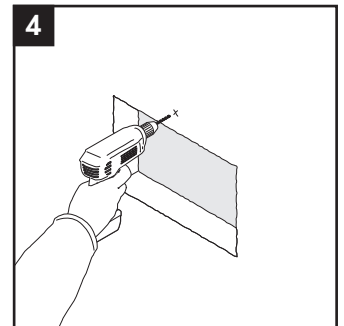
Make sure the opening size is within Roxtec tolerances.



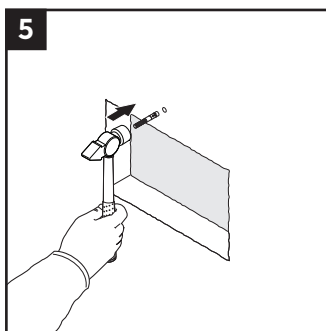
Place the frame lid horizontally centered over the aperture and with a vertical overlap of 5-10 mm.



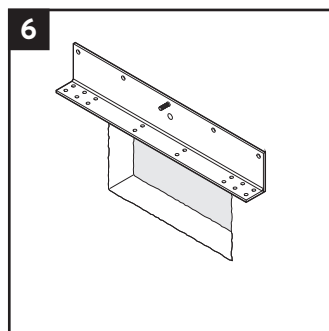
Make a mark for the fastener.



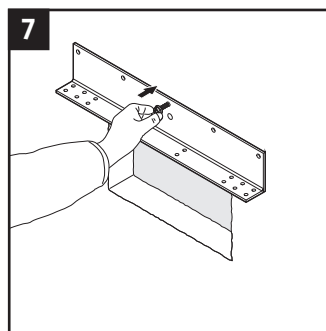
Drill a hole for the fastener.



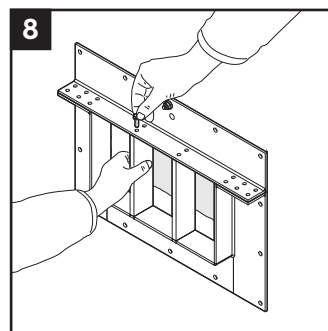
Insert the fastener.



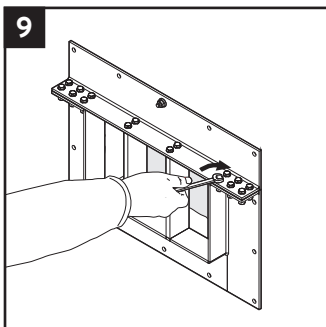
Place the lid on the fastener.



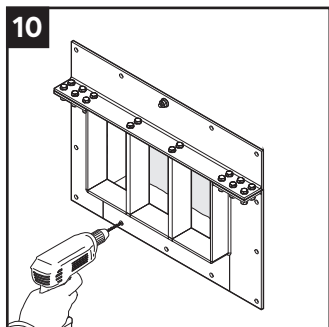
Secure the lid to the structure.



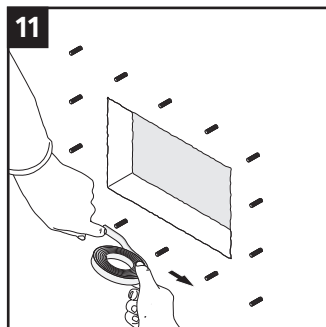
Attach the frame half to the lid.



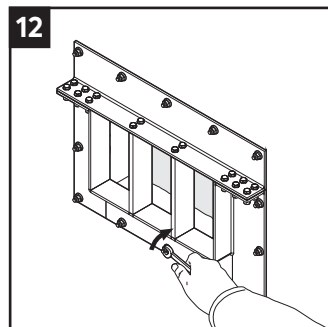
Attach the other fasteners.



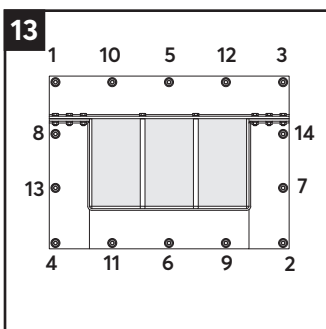
Drill the rest of the holes for the fasteners.



Remove the frame and attach the sealing solution of your choice.

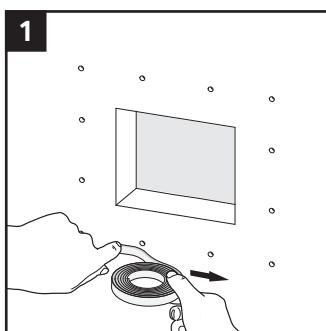


Attach the frame to the structure.

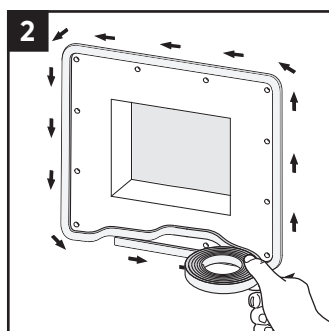


Tighten the fasteners crosswise in small steps.

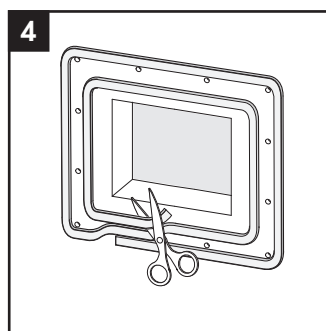
Using sealing strips



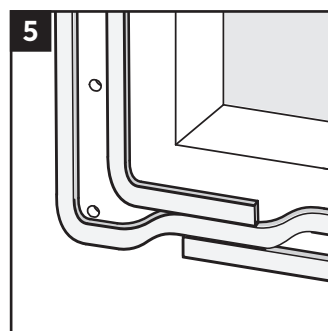
Attach the end of the sealing strip to the frame.



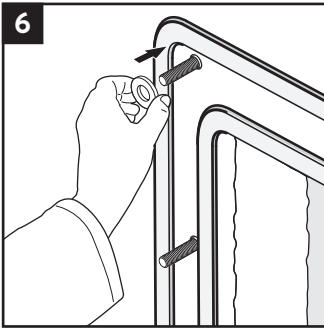
Apply two rounds of sealing strip.



Cut the excessive sealing strip so that it overlaps as shown in the picture.

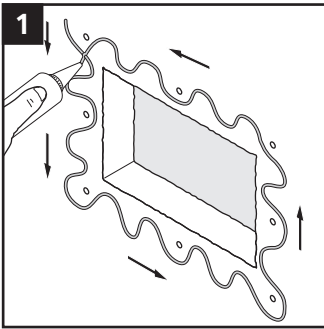


Make sure the sealing strip parts are mounted tightly against each other in the overlap section.

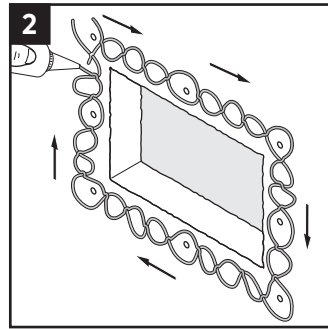


Attach washers or similar behind the flange to create a compression stop of 2 mm for the sealing strip.

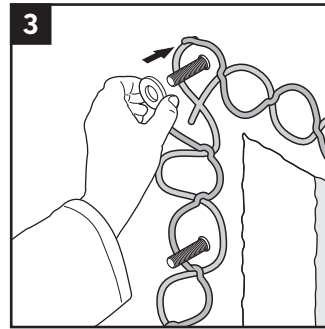
Using sealant



Apply sealant to the structure with a thickness of minimum 6 mm.

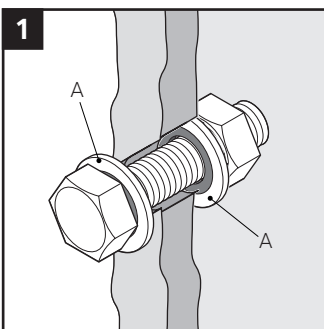


A second string of sealant isolates the holes.



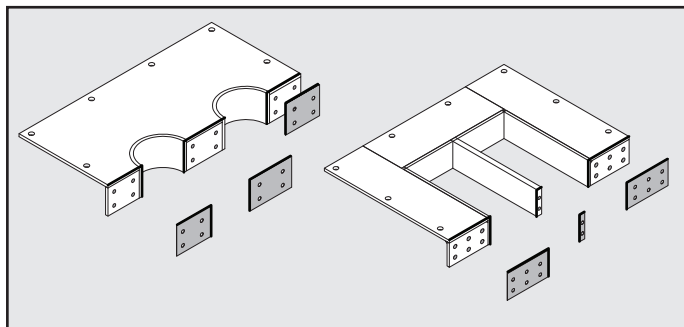
Attach 2 mm washers or similar behind the flange to ensure a 2 mm gap between the frame flange and the structure.

Installation with sealing washers



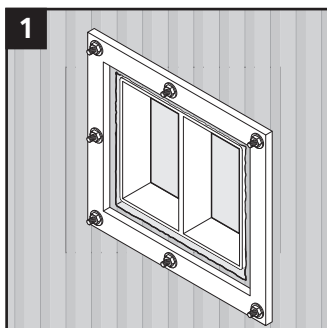
Through-holes must be sealed using sealant or sealing washers (A).

Gasket replacement

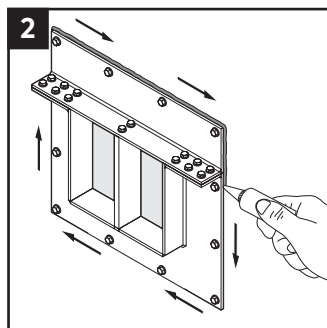


If gaskets need to be replaced: Clean the surfaces. Align the gaskets according to the bold lines.

Tips and tricks



For stability, a counter frame can be added to the back side.



For increased resistance against crevice corrosion and frost wedging, apply a string of sealant around the flange.

Note

- Additional sealing components are required for a complete solution. Follow the corresponding installation instructions.
- When mounting expansion bolts in concrete, the edge distance should be at least 60 mm.
- The structure and chosen sealing method have significant effect on the rating and type approval. Consult your local Roxtec representative.
- The TSL 15x6 sealing strip does not need a compression stop.
- Approvals or certificates may include amendments or limitations related to this application.
- The latest version of this and related documents are found at roxtec.com.

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(b) Installation shall be carried out in accordance with Roxtec installation instructions in effect from time to time.

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