



A SIKA COMPANY

INSTALL DATA RoofJoint

With *SEISMIC COLORSEAL RoofJoint Closure*

IMPORTANT: When the expansion system contains both the horizontal EMSEAL RoofJoint and a vertical Joint Closure, you **must completely install the Joint Closure FIRST.**

EMSEAL RoofJoint should be installed over the properly secured roof membrane either by welding or adhering the bottom side of the lower flap to the in-place roof membrane.

The lower flap of the EMSEAL RoofJoint should then be mechanically fastened with the supplied termination-bar and anchors. It is then sandwiched in layers of roofing membrane to complete the watertight seal.

The dual-level flange provides many options for integration and flashing into roof membranes. The final sequence of integration and decisions regarding integration method (welding, adhesive, adhesion strip, priming etc.) must be completed in accordance with the methods and instructions of the roofing membrane manufacturer.

Equipment and Material Storage

In addition to safety equipment required to comply with applicable Federal, state and local safety regulations, as well as normal tools of the trade, the following are required:

- Solvent (acetone)
- Clean, dry, lint-free cotton rags
- Large, serrated "bread" knife
- Soldering iron with detailing tip

Prepare & Solvent-Wipe Surfaces

Joint faces must be parallel. Roof surface should be cleaned of dirt, grit or any loose materials that will interfere with a secure surface seal.

Wipe joint faces and roof surfaces with solvent-dampened lint-free rags to remove all dust and contaminants.

Unroll Sealing Gland

Unroll the sealing gland top-side up in an open space to allow the rubber to relax from its coiled shipping state.

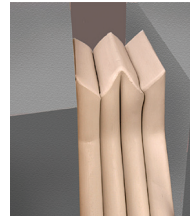


Installation Procedure on reverse side

Installation Procedure

STEP 1: Install RoofJoint Closure

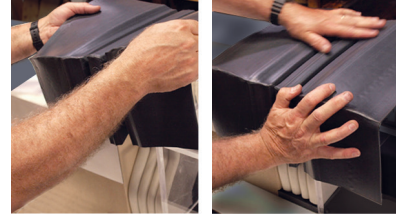
Install RoofJoint Closure. Inject sealant band of silicone between substrate and the entire perimeter of the closure. Apply a bead of silicone across the top of the closure where it will mate with the underside of the RoofJoint.



(Left) RoofJoint Closure shown installed in sample substrate.
(Below) RoofJoint gland installation shown in demonstration substrates.

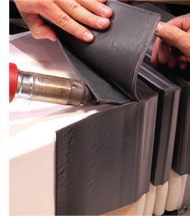
STEP 2: Insert RoofJoint

Secure the roof membrane. Complete any cleaning finishing of rooftop surface &/or expansion gap substrate. Lower RoofJoint into rooftop gap so that it achieves a level and firm fit with the rooftop surface. The bottom of the RoofJoint gland should fit firmly into the top of the silicone bellows of the Joint Closure (if installed).



STEP 3: Weld or Adhere Lower Flange

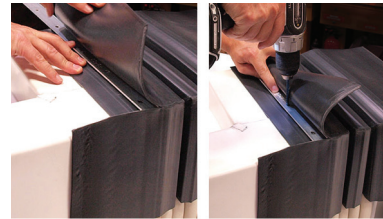
Adhere or weld lower RoofJoint flange to in-place roof membrane surface. Allow time to complete seal. Check integrity of seal.



STEP 4: Install Termination Bars and Anchors

Insert termination bar on top of lower flange. Screw anchor bolts through pre-drilled anchor holes in termination bar. Tighten until termination bar is snug with lower flange. Do not overtighten.

RoofJoint includes necessary termination bar and fasteners required for installation.



STEP 5: Lay Down Next Level of Roof Membrane*

Install another layer of roof membrane to meet and cover the lower secured RoofJoint flange.

STEP 6: Weld or Adhere Upper RoofJoint Flange

Weld or adhere upper RoofJoint flap to upper roof membrane and over termination bar to the lower RoofJoint flange.

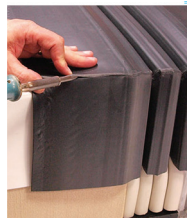


STEP 7: Lay Down Additional Level of Roof Membrane*

Counterflash upper RoofJoint flap with more roof membrane. Check for seal.

STEP 8: Weld RoofJoint Seal at Outer Downturn

To close RoofJoint enclosure, weld the open vertical and horizontal gland at the downturn.



STEP 9: Finish with Appropriate Flashing*

Install coping flashing sheet metal cap in overlapped configuration to accommodate movement at the structural joint.

** Note: STEPS 5, 7 and 9 at the discretion and direction of the specifier and/or roofing membrane manufacturer.*