

1. PURPOSE & SCOPE

The purpose of this document is to establish guidelines for installation of Spectrem Simple Seal. The techniques involved may require modifications to adjust for jobsite conditions. Consult your local Tremco Sales Representative or Tremco Technical Services for specific design requirements.

This document will provide the necessary instructions for installation of Simple Seal to qualify for a manufacturer's warranty.

2. IMPORTANT NOTES

Always perform project-specific field testing to verify adhesion of the sealant to the substrates. Consult the application instructions provided in the Spectrem 1 data sheet to determine proper sealant application procedures.

When applying Simple Seal on a vertical surface, apply Simple Seal in horizontal joints prior to applying in vertical joints. At intersections between vertical and horizontal joints, the vertical bridge joint will be applied in an overlapping fashion over top of the horizontal bridge joint.

In an effort not to puncture the membrane, ensure additional sealant is applied over mechanical fasteners or other protrusions are located on the substrate along the sealant bond line. Do not puncture the membrane.

3. SUBSTRATE PREPARATION

Surfaces must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco recommends that air temperature be 5 °C or above before applying any sealant.

If desired, apply masking tape to the substrate surface at the width edges of the Spectrem Simple Seal to provide a clean edge.

4. COMPATIBLE MATERIALS

Spectrem 1 is the recommended silicone sealant to be used as the adhesive; Spectrem 2 may be suitable for use in some circumstances, adhesion to the existing substrate must be confirmed before applying Spectrem 1 or Spectrem 2 silicone sealant.

5. MATERIALS NEEDED

- A wire brush
- A sharp razor blade
- Masking tape
- Cleaning solvent (non-porous substrates only)
- Clean, dry, lint-free cloths
- Pressurized water system (optional)
- A compressed air line capable of dispensing pressurized air (optional)
- A roller at least as wide as the Simple Seal extrusion being applied (optional)

6. SEALANT & SIMPLE SEAL APPLICATION

Apply a continuous bead of sealant in a straight line along the edge of the bonding substrate. The sealant should be sufficiently wide enough that when the Simple Seal is applied, the ridges on the material are completely encapsulated in sealant.

Unroll a length of Simple Seal approximately the length of the joint to be spanned. Install the Simple Seal material with caution to avoid stretching the extrusion as it is embedded into the sealant.

As Spectrem Simple Seal is unrolled, ensure that a clean surface exists at the bonding area. If necessary, utilize the two-cloth cleaning method with isopropyl alcohol to clean the bonding surface of Spectrem Simple Seal.

Align the Simple Seal over the joint so the ribbed portions align with the sealant beads and the Simple Seal is uniformly spaced over the joint.

Embed the Simple Seal in the beads of Spectrem 1 or Spectrem 2 and immediately use a roller to press the extrusion firmly into the silicone sealant. If a roller is unavailable or undesirable, a flat, hard material may be substituted and used to gently tap the face of the material, embedding the bonding surface into the sealant.

Cut the Simple Seal extrusion at the end of the joint using a sharp razor blade, and remove masking tape to eliminate the excess sealant wetted out along the bond line.

Sealant that has wetted out from beneath the extrusion may also be tooled to achieve the desired appearance.

7. CLEANING

Immediately after the application is complete, remove all excess sealant and smears adjacent to the joint with an approved solvent.

Avoid contact between the cleaning solvent and the functional sealant bead prior to the sealant bead reaching a full cure. Cleaning solvent should come into contact with smears and excess sealant only.