

APPLICATION INSTRUCTIONS

1. Purpose

- 1.1 The purpose of this document is to establish guidelines for T3 solution installation of ExoAir® Eco. The techniques involved may require modifications to adjust to jobsite conditions. Consult your local Tremco Sales Representative or Tremco Technical Services for specific design requirements.

2. Scope

- 2.1 This document will provide the necessary instructions for installation of ExoAir Eco to qualify for a manufacturer's warranty.

3. Substrate Preparation

- 3.1 Substrates should be clean, dry and sound to allow for proper adhesion of ExoAir Eco Membrane. With a clean cloth, remove all grease and debris from the window frame to allow for proper adhesion.

4. Compatible Materials

- 4.1 The recommended sealant for use with ExoAir Eco is Spectrem® 1 and Spectrem 2 silicone sealants.

5. Application Procedure

- 5.1 Measure the window that is to be installed as well as its rough opening. Subtract the size of the window from the size of rough opening. Divide the result by two to give equal distance around the window in the rough opening. This number will be referred to as the joint dimension.
- 5.2 Select the appropriate size of tape for the joint dimension. This is done by choosing a tape with a performance range that is inclusive of the joint dimension determined in Step 5.1. Ideally the joint dimension should be in the middle of the performance range.
- 5.3 Measure the length of the verticals and horizontals. For rough openings that are 3' (91.4 cm) or less, add ½" (12.5 mm) to the horizontal and vertical measurements. For rough openings that are greater than 3' (91.4 cm), add 5% to the overall length of the horizontal and vertical measurements.
- 5.4 Caulk the corners of the rough opening at the sill location with Tremco approved sealant.
- 5.5 Find the beginning of the roll of the Eco tape that will be used, and using a knife or scissors, cut the green tape at the beginning of the roll.

- 5.6 Remove the green tape from the roll of Eco, placing the green tape in a location where it can be accessed once the installation is complete. Unroll the Eco tape, and cut off and dispose of, the first inch of material.
- 5.7 Roll the Eco tape out to the dimension that was determined for the horizontal in Step 5.3. Cut the tape using scissors or a knife at the predetermined length of the sill/horizontal.
- 5.8 Immediately install the Eco tape at the sill location. Start by pressing the two ends of the tape into the sealant with the adhesive side down at the corners. Then work the middle of the tape towards the two corners of the window sill.
- 5.9 Cut the Eco for the window jambs and install the tape with the adhesive side directly onto the window. In an ideal situation, the window would be lying down. In the event it is inconvenient to lay the window down, start by installing the tape at the bottom of the window frame. Make sure to take into account that the material was cut slightly larger than the opening. Failure to begin installing the tape from the bottom of the jambs may cause the Eco to be stretched. Stretching the Eco may cause unwanted or undesirable results in the performance of the product.
- 5.10 Cut the Eco for the head of the window, and install directly onto the window frame, aligning the center of the freshly cut Eco with the center of the window frame.
- 5.11 Note: When installing Eco directly into vertical applications, starting at the top may cause stretching of the tape.

6. Window Installation

- 6.1 Hoist the window into place, setting the sill of the window directly into the rough opening on top of the Eco. Then plumb the window as necessary. Shims may be installed at the sill as necessary.
- 6.2 Install window anchors in accordance with the window manufacturer's recommendations.

7. Tips for Expansion Joint Installations

- 7.1 Eco will self-expand to fill the joint; its expansion time is relative to the temperature of the joint seal. After Eco has filled the joint, it will continue to expand until it has reached equilibrium. This process requires additional time depending on temperatures. Give the tape at least seven days after install before an onsite weatherization test.
- 7.2 Note: Never purposely stretch the Eco. The material does have a memory and will relax to its original size.

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Tremco Commercial Sealants & Waterproofing

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555

