

Proglaze® ETA Patent Pending Engineered Transition Assembly System 1 – Standard Design Clear Proof of a Perfect Seal

Product Description

Proglaze® ETA System 1 is comprised of pre-engineered, finished aluminum and silicone materials used as the transition assembly. The system assembly is mechanically attached to the window and/or curtain wall's structural framing to insure a durable connection and seal. Proglaze ETA System 1 is comprised of the following components:

1. Silicone Rubber Extrusion (SRE): Extruded, 40 durometer, translucent silicone, with a lock-in dart. The Silicone Extrusion is available in 3" and 6" widths and packaged in 50LF coils (6" shown on page 2). For physical properties refer to Tremco's translucent Silicone Extruded Sheet data sheet.
2. Silicone Rubber Corners (SRC): Pre-molded, 40 durometer, translucent silicone, with a lock-in dart. Dart is offset 1.5" to allow a lap joint to be made with the Silicone Rubber Extrusion (SRE). Silicone Rubber Corners are available in mating 6" widths.
3. Extruded Aluminum Adaptor (EAA): Alodine finished, with pre-engineered race for receiving silicone lock-in dart. The Extruded Aluminum Adaptor is supplied in 5 foot lengths with predrilled holes every 6" on center.
4. Tremco 440™ Tape: 100% solid Polyisobutylene-cross linked butyl preformed sealant. Used to temporarily hold metal adaptor in position before mechanical fasteners are installed and act as secondary air and water seal is pre-applied to the metal adaptor. For physical properties refer to Tremco's 440 Tape data sheet.
5. Spectrem® 1 Silicone Sealant: High movement, ultra-low modulus sealant utilized as a compatible adhesive and wet seal. For physical properties refer to Tremco's Spectrem 1 data sheet.

Basic Uses

Proglaze ETA is a transition assembly for bridging continuously between the window and/or curtain wall openings and the adjacent air and vapor barrier materials. The system's design absorbs thermal movement and wind-loading stresses. The Proglaze ETA thin cross-section and low durometer allows the

system to span and seal across irregular window geometries. The translucent silicone material allows the installer and/or inspector to see through the gasket to verify the recommended amount of sealant is properly applied to ensure an effective seal is achieved, while the ribs of the gasket's design ensures a minimum sealant thickness.

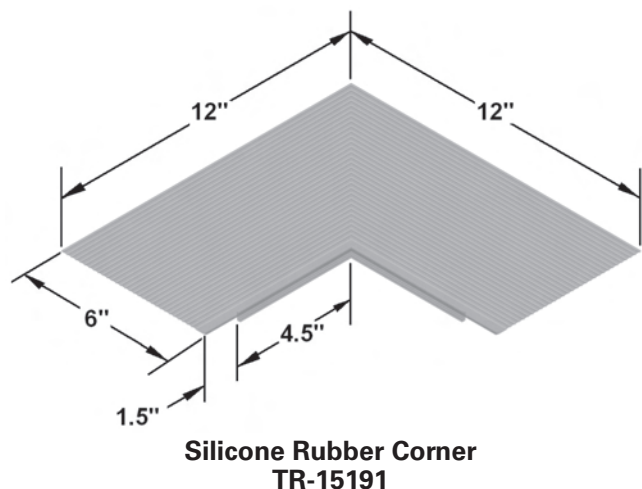
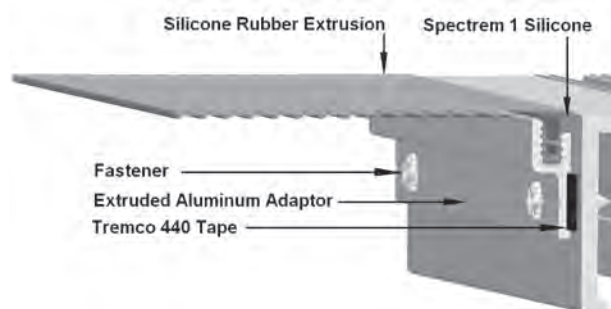
The assembly is fully compatible with most window sealants and glazing materials and bonds to ExoAir™ 110, ExoAir 110LT and ExoAir TWF air barrier materials. Not intended as a seal to untested substrates.

Installation

The Proglaze ETA may be shop and/or field installed depending upon the system's sequence of installation for the particular window and/or curtain wall assembly. The location of Proglaze ETA must be approved by the window and/or curtain wall manufacturer prior to its use. To ensure proper connections can be made effectively, the sequence of installation must be reviewed prior to construction. Contact Technical Services for detailed installation instructions, which may be adapted for your application at 1-800-321-6357.

Adhesion testing must be completed on all adjoining substrates and components to ensure proper adhesion. Proglaze ETA may cover or come in contact with pre-applied sealants, gaskets and/or tapes. Testing of these materials must be done to ensure the required bonding is achieved when in contact with components of this engineered transition assembly. Testing may be done on-site and/or may be submitted to Tremco's Technical Services department. Consult your local Tremco Sales Representative.

Please refer to Tremco's Installation Instructions for complete details.



ENGINEERED TRANSITION ASSEMBLY SYSTEM PERFORMANCE RESULTS

Title of Test	Test Method	Value
Water Vapor Transmission	ASTM E 96 (Dry Cup Method)	2.59 perms
Air Infiltration	ASTM E 283	<0.05 L/s/m ² (<0.01 cfm/ft ²)
75Pa (1.57psf)		<.05 L/s/m ² (<0.01 cfm/ft ²)
300Pa (6.24 psf)		No leakage
Water Resistance (with and without screen)	ASTM E 547/ASTM E 331	No leakage
718 Pa (15.0 psf)		No damage
Uniform Load Deflection	ASTM E 330	No damage
±6699 Pa (±140.0 psf)		No damage
Uniform Load Structural	ASTM E 330	No damage
±10,049 Pa (±210.0 psf)		

Limitations

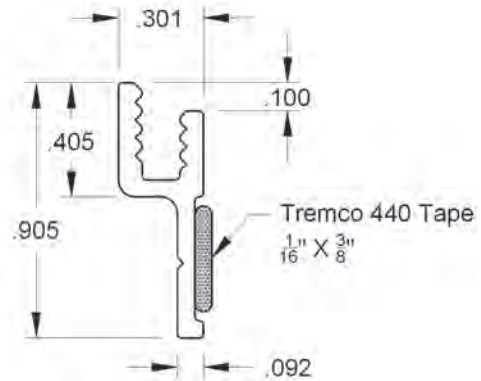
Not intended to be utilized in a permanently exposed condition unless approved by Tremco. Not intended as a seal to untested substrates.

Warranty

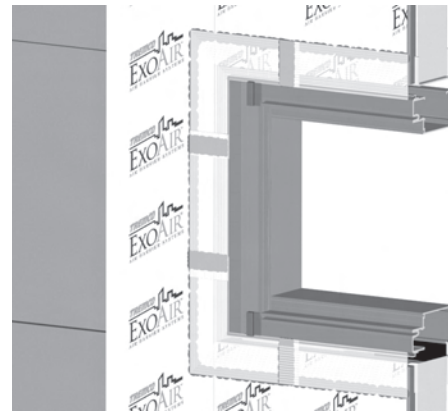
We warrant our products to be free of defects. Under this warranty, we will provide at no charge, products in containers to replace any product proven to be defective when applied, tested and cured (if applicable), in accordance with our written instructions, standards and applications recommended by us as suitable for this product.

User shall determine suitability of the product for their intended use and assume all risk and liability therewith. Seller shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

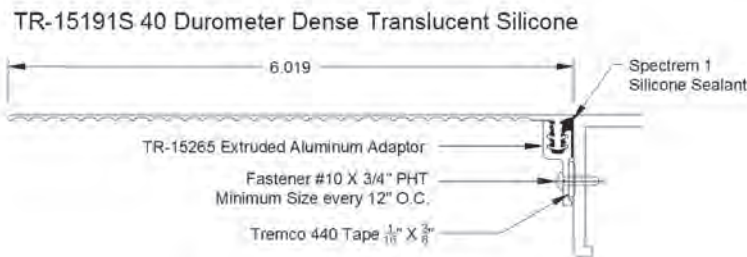
All claims concerning product defects must be made within twelve (12) months of shipment. Absence of such claims in writing, during this period, will constitute a waiver of all claims with respect to such product. This warranty is the user's sole remedy and is IN LIEU OF any and all other warranties expressed or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



TR-15265 Extruded Aluminum Adaptor



Typical Assembly Connection to Tremco's ExoAir System



Proglaze ETA with 6" (TR-15191S) Silicone Rubber Extrusion

Screws are installed a minimum of every 12". Larger screws may be used than what is shown, but must be approved by the window and wall manufacturer. 3" Silicone Rubber Extrusion (TR-13806S) also available.

Contact Tremco's Design Engineering Group at 800-321-6357 for information on custom designs.

For additional details and information on Engineered Transition Assemblies, please visit our website at www.tremcosealants.com.