TREMCO

TECHNICAL DATA SHEET

PROGLAZE® ETA

Ribbed Silicone Extrusions, Preformed & Molded Corners

PRODUCT DESCRIPTION

Proglaze® ETA is a high-performance Silicone Rubber Extrusion solution, designed to seal complex connections and transitions within a building envelope, to prevent air and moisture infiltration. It is uniquely suited to seal critical areas where leaks are most likely to occur, particularly those sensitive to construction tolerances, applicator inconsistencies, movement, and varying geometries. Proglaze ETA maintains the continuity throughout these connections to ensure the longevity of structural components as well as improving indoor air quality, energy efficiency, and maintenance requirements.

There are several different configurations of Proglaze ETA available, divided into systems, for optimal flexibility in various applications.

Proglaze ETA System 1 is comprised of the **pre-engineered silicone materials and an alodine-finished aluminum race**, designed for use as a transition assembly between a window or wall system and the adjacent air and vapor barrier materials. The system assembly is mechanically attached to the window and/or curtain wall's structural framing to ensure a durable connection and seal. System 1 includes both sheets of extruded silicone and pre-molded corners with a **lock-in dart**. Additional, accessory components with System 1 include Tremco 440 Tape and Spectrem® 1.

Proglaze ETA System 2 is comprised of the **pre-engineered silicone materials and an alodine-finished aluminum race**, designed for use as a transition assembly between a window or wall system and the adjacent air and vapor barrier materials. The system assembly is mechanically attached to the window and/or curtain wall's structural framing to ensure a durable connection and seal. System 2 includes both sheets of extruded silicone and pre-molded corners with a significant **off-set lock-in dart**. Additional, accessory components with System 2 include Tremco 440 Tape and Spectrem 1.

Proglaze ETA System 3 is comprised of the **pre-engineered silicone materials only**, designed for use as a transition assembly between a window or wall system and the adjacent air and vapor barrier materials. System 3 includes both sheets of extuded silicone and pre-molded corners with a **small dart**, which are attached to the pressure bar mullion by inserting the dart into the metal race filled with Spectrem 1 to ensure a durable connection and positive seal. The opposite edge of the extrusion will span onto the air/vapor barrier.

Proglaze ETA System 4 is comprised of **pre-engineered silicone materials only**, designed for use as a transition assembly between a window or wall system and the adjacent air and vapor barrier materials. The assembly utilizes **single and double ribbed** silicone extrusions of varying widths that do not require an Extruded Aluminum Adapter or molded frame raceway. This allows the silicone extrusions to be used in varying and complex geometries. System 4 is used between the window and wall to create an air and water tight barrier. The silicone extrusions are intentionally adhered to the building façade and window systems with Spectrem 1 to provide a long-term durable and flexible connection between the two components.

Proglaze ETA 3D Molded Corner connections are engineered from translucent silicone and designed for use as a transition assembly between a window or wall system and the adjacent air and vapor barrier materials. Proglaze ETA 3D Molded Corners are recommended for making connections to Tremco ExoAir® Air Barrier Membrane systems with Spectrem 1 and have been uniquely designed so that they may be used to overlap one another or used in conjunction with other Proglaze ETA components to accommodate complex transitions.

For additional information about each specific System, please reference the individual datasheet dedicated to that System, available at tremcosealants.com.

BASIC USES

Proglaze ETA is a transition assembly for bridging continuously between window and/or curtain wall openings and the adjacent air and vapor barrier materials. All Proglaze ETA Systems have been designed to absorb both thermal movement and wind-loading stresses making them the superior choice for dynamic, seismic, and deflection joints. The off-set dart design, unique to System 2, also shields the window frame preventing any air and water infiltration. Additionally, the thin cross-section and low durometer of Proglaze ETA allows the system to efficiently span and seal across irregular window geometries.

Proglaze ETA System 1 is a standard design, with dart, for flush windows. This system assembly is mechanically attached to the window and/or curtain wall's structural framing to ensure a durable connection and seal.

Proglaze ETA System 2 features a 2.801" off-set lock-in dart. The off-set dart design shields the window frame preventing air and water infiltration, by allowing the material to be bent 90° and applied to the inside of a rough opening. This system is mechanically attached to the window and/or curtain wall's structural framing to ensure a durable connection and seal.

Proglaze ETA System 3 features a small lock-in dart which is attached to a pressure bar mullion to ensure a durable connection and positive seal. The opposite edge of the extrusion will span onto the air and vapor barrier.

Proglaze ETA System 4 utilizes single and double ribbed silicone extrusions of varying widths without darts and single ribbed silicone extrusions with double darts to maximize adaptability for complex geometries.

Proglaze ETA 3D Molded Corner connections are designed to facilitate transitions when construction sequencing has the surrounding façade being installed prior to the wall or window system. They allow complex connections to the wall or window system, which may be recessed or set proud from the plane of the weather barrier surface. Additionally, these transition the weather barrier across seismic drift joints at the heads of punched openings and have the ability to create a flexible sill pan.

FEATURES & BENEFITS

Proglaze ETA spans and seals complex connections and transitions within the building envelope to prevent air and moisture infiltration. By preventing leaks, it ensures the longevity of structural components while improving indoor air quality, energy efficiency of the building, and reducing maintenance requirements.

- Easy to apply, saving time and labor
- 20-year warranty when used as directed

The translucent silicone in Proglaze ETA allows the installer and inspector to see through the gasket to verify that the recommended amount of sealant is properly applied to the surface. This allows the confirmation that an effective seal has been achieved. At the same time, the ribs included in the gasket's design are able to ensure a minimum sealant thickness. The option for ribs on both surfaces, allow the profile to be rotated into any position, to prevent compressing the silicone sealant to a thin film at the bond surface. Proglaze ETA is easily trimmed to fit around projections, while allowing easy lap joints at connections.

- Absorbs thermal movement
- Absorbs wind-loading stresses
- Spans and seals irregular window geometries
- Molded corners allow for field fabrications of saddle-flashings

Proglaze ETA is compatible with and recommended for use with all Tremco ExoAir® Air Barrier products. Spectrem 1 is the recommended accessory sealant due to its exceptional performance when used on the polyethylene face of ExoAir 110, ExoAir 110AT, and the cure surface of ExoAir 120, ExoAir 130, ExoAir 220, ExoAir 230, and Securock ExoAir 430.

- Fully compatible with most window sealants and glazing materials

Proglaze ETA Systems 1, 2, and 3 have been tested as components of several wall assemblies meeting ASTM E2357, the Standard Test Method for Determining Air Leakage of Air Barrier Assemblies, and NFPA 285, the Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components.

- Dedicated design engineering and support team, at Tremco, available for new or unique situations

The Greenguard Gold certification on Proglaze ETA ensures safety for use in the most sensitive indoor environments including hospitals and schools.

AVAILABILITY

Available as part of project specific order only. The various configurations of each System are summarizied in the following table. Please refer to the supplemental document, Proglaze ETA System Reference Chart for specific dimensions and orientations.

PROGLAZE ETA SYSTEM		METAL ADAPTOR REQUIRED?	WIDTH (INCHES)	SINGLE OR DOUBLE RIBBED?	DART?
SYSTEM 1	Lineal Sheets	Yes	3, 4, 6, 8	Single	Yes
		Yes	3.67	Single	Off-set
		Yes	6	Double	Yes
	2D Molded Corners	Yes	4, 6	Single	Yes
SYSTEM 2	Lineal Sheets	Yes	8	Single	Off-set
	2D Molded Corners	Yes	8	Single	Off-set
SYSTEM 3	Lineal Sheets	Yes	4, 6, 8	Single	Small
	2D Molded Corners	Yes	8	Single	Small
SYSTEM 4	Lineal Sheets	Yes	3.575, 4.361, 7.574	Single	Double
		No	2, 3, 4, 6, 8, 9.5	Single	No
		No	4, 6, 8	Double	No
3D MOLDED CORNERS	Inside Corner	No	4	Single	No
	Outside Corner	No	4	Single	No

Custom sizes are available upon request. Please contact your local Tremco Sales Representative or Tremco Technical Services for assistance. Lead times, MOQs, and costs will vary based on the request.

COLORS

Available as a colorless/translucent material.

LIMITATIONS

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

A minimum contact area on ExoAir Air Barrier Membranes is 1", while a minimum of 3/8" contact area is acceptable on metal, Proglaze ETA extrusions and molded corners.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit https://www.tremcosealants.com/warranties/ for details.

TYPICAL PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Flame Spread	ASTM E84	15
Smoke Development	ASTM E84	300
Hardness (Shore A)	ASTM D2240	43
Compression Set	ASTM D395, *22 hrs @ 212 °F (100 °C)*	14.5%
Ozone Resistance	ASTM D1149, *100 hrs @ 158 °F (70 °C) & 20% elongation*	300 mPa, no cracks
Tensile Strength	ASTM D412	1,130 psi (7.8 mPa)
Ultimate Elongation	ASTM D412	550%
Tear Strength	ASTM D624	114 lb_f/in (19.9 kN/m)
Low Temperature Flexibility	ASTM D746, *-40 °F (-40 °C)*	Pass

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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