

Tremco's Window and Curtain Wall Connection Options

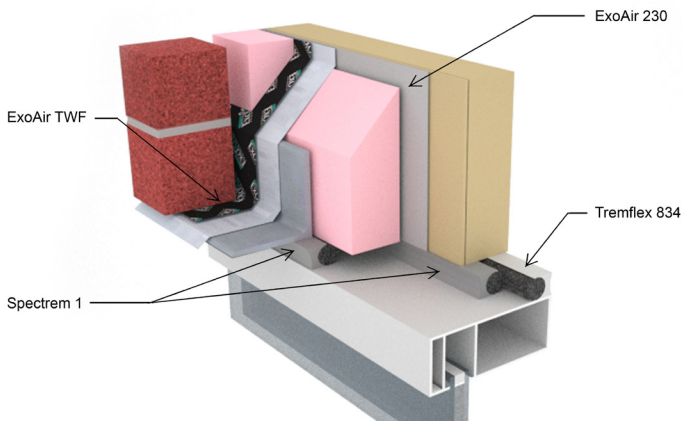
The transition from the window system to the air barrier system or wall surface can be a complicated one. This critical space is often the area where air, water, condensation and frost problems occur. There are a number of variables to consider on any given project:

- ✓ Movement required
- ✓ Thermal performance requirements
- ✓ Minimum and maximum gap size both in the drawings and in the field
- ✓ Sequence of the window installation in relation to the transition
- ✓ Long-term performance requirements
- ✓ Installation temperature requirements
- ✓ Fire performance requirements
- ✓ Presence and location of structural connections such as shims or anchors

With all of these variables in play on today's projects, it isn't about a good-better-best approach anymore, but about using the right approach to address the application. There are specific sets of jobsite conditions where a sealant may be sufficient to make the connection. In other instances, extreme movement of the window or curtainwall may occur requiring high-movement connection. Still others may require an integral thermal component. Tremco offers a variety of tested, proven transition solutions that can accommodate almost any design from standardized to highly specialized.

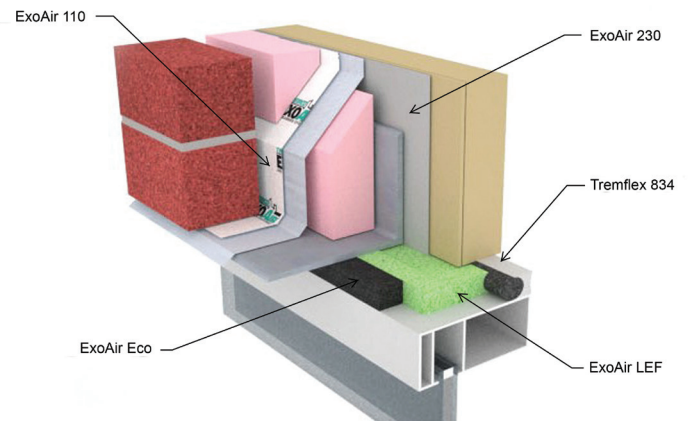
Below is a chart to help start the conversation with your local Tremco Sales Representative or Tremco Technical Service Representative.

	Air Seal	Weather Seal	Thermal Seal	Minimum Gap	Maximum Gap	Seismic Testing	Recommended Installation Temperature	Water Vapor Transmission	Integral Vapor Retarder	E-84 Testing	Connection
Spectrem 1	✓	✓		0.25" (6.4mm)	2" (51mm)		40°F (4.5°C) and rising	Semi-Permeable		Class A	Window to wall
Proglaze ETA Engineered Transition Assembly with Spectrem 1 Silicone Sealant	✓	✓		0" (0mm)	10" (250mm)	Pass	40°F (4.5°C) and rising	Semi-Permeable		Class A	Window or curtain wall
Proglaze ETA with ExoAir LEF	✓	✓	✓	0.25" (6.4mm)	10" (250mm)		40°F (4.5°C) and rising	Semi-Permeable		Class A	Window or curtain wall
ExoAir Eco with ExoAir LEF	✓	✓	✓	0.25" (6.4mm)	0.79" (20mm)		40°F (4.5°C) and rising	Permeable		Class A	Window to wall
ExoAir Duo with ExoAir LEF	✓	✓	✓	0.25" (6.4mm)	5.51" (140mm)		40°F (4.5°C) and rising	Semi-Permeable			Window to wall
ExoAir Trio	✓	✓	✓	0.14" (3.5mm)	0.79" (20mm)		No Restriction	Permeable	✓	Class A	Window to wall



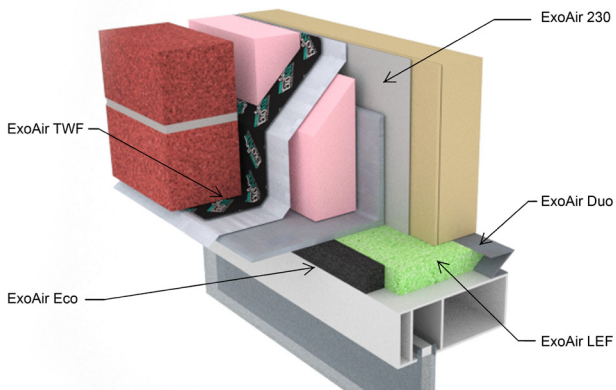
Spectrem 1 Silicone Sealant Benefits:

- ✓ Ultra-low modulus allows for movement without compromising adhesion.
- ✓ The best unprimed adhesion to the HDPE facer of self-adhered membranes in the industry.



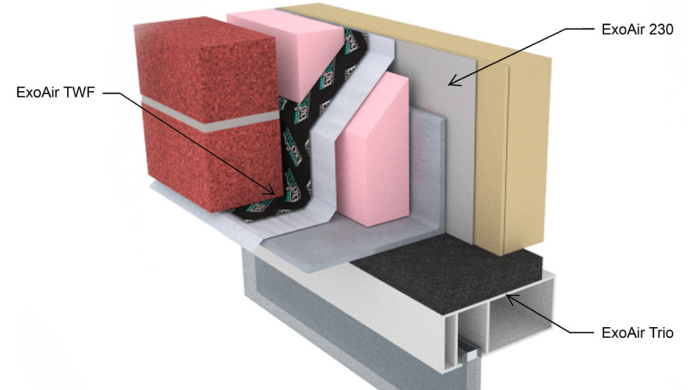
ExoAir Eco and ExoAir LEF Benefits:

- ✓ ExoAir Duo provides permeable weather barrier to allow water vapor to escape to the exterior.
- ✓ ExoAir Eco and LEF provide a system that protects against weather and thermal break.



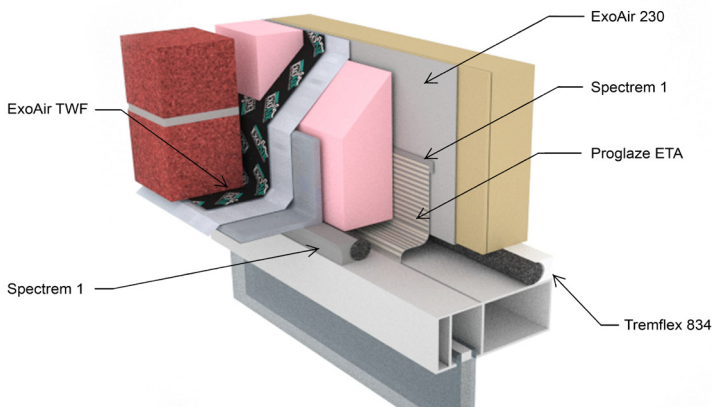
ExoAir Duo and ExoAir LEF Benefits:

- ✓ ExoAir Duo provides semi-permeable weather barrier to allow water vapor to escape to the exterior.
- ✓ ExoAir Duo provides a membrane approach that can tie into any exterior condition.
- ✓ ExoAir Duo and LEF provide a system that protects against weather and thermal break.



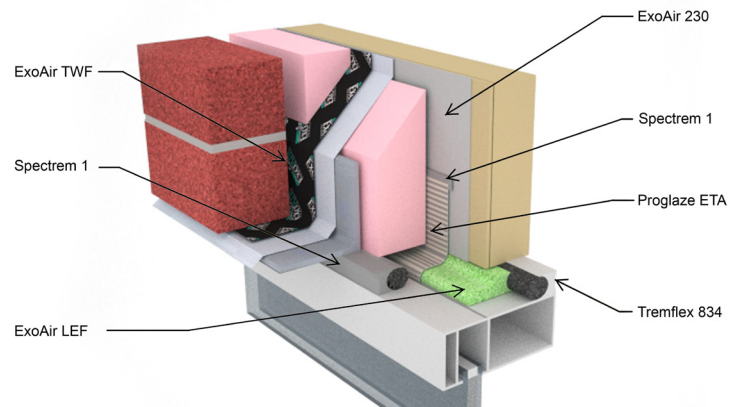
ExoAir Trio Benefits:

- ✓ Provides integral vapor retarder allows the system to dry to the outside.
- ✓ Combines air, water and thermal protection into one material.
- ✓ May be installed at any ambient temperature.



Proglaze ETA Engineered Transition Assembly Benefits:

- ✓ Can address applications with no gap or extreme gaps.
- ✓ Passes seismic testing and exceeds air & water leakage requirements.
- ✓ Can address connections to the window or a curtain wall system.



Proglaze ETA Engineered Transition Assembly with LEF Benefits:

- ✓ Can address connections to the window or a curtain wall system.
- ✓ Adds thermal protection in addition to air and water performance.