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.
**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.