



Product Description

EnerEDGE® is a pre-desiccated, ready-to-apply, cellular silicone warm-edge spacer that is suitable for a wide range of insulating glass constructions in fenestration applications.

Basic Uses

EnerEDGE spacer is inset and applied to a glass lite's perimeter to enable fabrication of dual and triple-glazed IG units in conjunction with a quality applied perimeter sealant.

Features and Benefits

Superior Spacer Materials and Design:

- Use of inorganic silicone polymer backbone provides premium performance and chassis stability across all applications, climates and solar exposures.
- "Low float" edge seal design minimizes area of permeability nearest the glass lite surfaces, ensuring superior gas retention and a long service life.
- Desiccant selection of 3A molecular sieve ensures absorption of water and not fill gases.
- Desiccant encapsulation in the silicone profile means very fast dew point development.
- Acrylic adhesive provides structural bond to enhance applied sealant's properties.
- Metallized vapor barrier allows for a wide selection of applied perimeter sealants.

IG System Design:

- Best-in-class single seal design, as adhesive bond structure and sealant performance are provided by two optimized elements.
- A thermoset cellular silicone chassis provides an elastic structure to permanently separate the lites of glass.

Fabricator Productivity:

- No blistering or messy applied desiccant beads, coatings or matrix sealants.
- Proven acrylic edge bond adhesive for immediate handling and green strength.
- Corner notching options provide fast, crisp application.
- Minimal-to-modest equipment conversion costs from other existing spacer systems.

Advantages for the Consumer:

- Multiple colors available to complement sash designs and finishes.
- Temperature and UV stability ensures best-in-class aesthetics, and silicone polymer choice provides stability for colorfastness.
- Matte texture of silicone spacer sightline will remain stable over time.
- Low K_{eff} values to minimize condensation and energy loss, on pace with class-leading alternatives.
- Shaped-unit spacers will match rectangular units, not true with other high-throughput systems.

Availability

Standard sizes in stock. Contact your local Tremco Sales Representative for more information.

Packaging

Mini and automation spools are available in a variety of widths. Please refer to Technical Service Bulletin No. SSG 1.1 "EnerEDGETM Warm-Edge Spacer Dimensions" for spool lengths by spacer height, package format and airspace.

Colors

Available in Medium Gray, Dark Gray, Black and White

Applicable Standards

- Conforms to performance standards ASTM 2190 and CGSB 12.8.

Limitations

EnerEDGE IG spacers should not be used in:

- IG applications requiring a structurally-glazed/silicone tensile bead IGU design
- IG applications where the moisture permeability of the applied sealant $>6.0 \text{ g/M}^2 \cdot 24 \text{ hr}$. Where the permeability of the applied sealant 3 to 6 $\text{g/M}^2 \cdot 24 \text{ hr}$, use $\frac{1}{4}$ " (6.4 mm) minimum coverage.

Application

Application is achieved through fully automated, semi-automated, or manual processes.

Storage

Spacer should always be stored indoors on pallets and with reels oriented vertically as packaged.

Shelf Life

3 years when stored in unopened containers as directed.

Warranty

Tremco warrants its Products to be free of defects in material but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

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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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 Wichsteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555