



## 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.

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**Application**

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

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**Storage**

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

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**Shelf Life**

3 years when stored in unopened containers as directed.

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**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](http://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.

**0416/EEDS-RW**

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514.521.9555



### 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. EnerEDGE Pro's increased height of ¼" (6.35 mm) makes it ideal for very heavy lites of glass.

### 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.
- Increase in spacer height by 1/3 over standard spacer boosts shear strength for immediate handling of very heavy lites.
- Increased profile height also enhances compression resistance of the finished unit when glazed.

#### 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.

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- IG applications where the moisture permeability of the applied sealant >6.0 g/M<sup>2</sup> • 24 hr. Where the permeability of the applied sealant 3 to 6 g/M<sup>2</sup> • 24 hr, use ¼" (6.4 mm) minimum coverage.

## EnerEDGE® Pro

Heavy Height Cellular Silicone Insulating Glass Spacer

### 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

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0416/EEPRODS-RW



### Tremco Commercial Sealants & Waterproofing

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**Tremco Perimeter Trace Tool**

The Tremco Perimeter Trace Tool is used to cleanly apply spacer to the IG unit's glass perimeter, while precisely controlling start point, inset and notch locations. The tool allows for inside notching that preserves integrity of the spacer's moisture vapor barrier allowing a wider range of applied perimeter sealant options.



Trace Tool	Ref. Part #
Inside Notch/Punched Front-cut	ENAINT 502

**Hot Melt Troweling Pads**

These solid silicone rubber pads protect the operator during hot-closing of sealant corners for the elimination of cold joints. Pads are sized at 1.5" wide x 3.5" long x .156" thick (38 mm x 89 mm x 4 mm) and are sold in boxes of 50 (Ref. Part #ENAPAD 502).

**EnerGrip Muntin Clips**

Available in a wide variety of configurations that vary with airspace and muntin bar styles, these polypropylene clips precisely secure the muntin bar to the spacer and do not impede on the sealing area of the applied secondary sealant. Parts are available in both gray and black and are sold in boxes of 5000 pieces per configurations, depending on type. For more information, reference the Technical Guide on Muntin Clip Part Selection by Airspace & Muntin Style, through your Tremco Residential Glazing Representative.



**EnerGrip Muntin Clip**

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