
PRODUCT DESCRIPTION

EnerEDGE® Pro DS is a pre-desiccated, ready-to-apply, cellular silicone warm-edge spacer that is suitable for the most demanding insulating glass constructions in fenestration applications, including dual-seal constructions.

BASIC USES

EnerEDGE Pro DS 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 DS spacer's increased height of 6.15 mm makes it ideal for very heavy lites of glass, or applications with higher glazing compression.

FEATURES & 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 at 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, and encapsulation in the silicone profile means very fast dew point development.
- Desiccant loading is increased by almost a third, due to more spacer volume.
- Acrylic adhesive provides structural bond to enhance applied sealant's properties.
- Primed metalized/true metal vapor barrier design allows for a wider selection of applied perimeter sealants, with less potential for gas loss.

IG System Design

- Best-in-class design, as adhesive bond structure, moisture vapor barrier and sealant performance are provided by three optimized elements.
- A thermoset cellular silicone chassis provides an elastic structure to permanently separate the lites of glass.
- Increased profile height also enhances compression resistance of the finished unit when glazed.

Fabricator Productivity

- No messy or dusty desiccant beads nor blistering sightlines of matrix desiccant 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 warm-edge 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 service life.
- 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 Representatives for more information.

PACKAGING

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

COLORS

Medium Gray, Dark Gray and Black

APPLICABLE STANDARDS

Conforms to performance standards ASTM 2190 and CGSB 12.8.

LIMITATIONS

EnerEDGE Pro DS IG spacers should not be used in:

- IG applications requiring a structurally glazed/silicone tensile bead IGU design, UNLESS used with PIB & structural IG silicone and is approved by a Tremco technical specialist.
- IG single seal applications where the moisture permeability of the applied sealants $>6.0 \text{ g/M}^2 \cdot 24 \text{ hr}$. 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

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

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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tremcosealants.com | 800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com