



TECHNICAL DATA SHEET

TREMPRO® 830+

Premium Exterior Elastomeric Sealant

PRODUCT DESCRIPTION

TREMPRO® 830+ is a high performance exterior elastomeric sealant, designed to adhere to a variety of substrates that are commonly found in professional siding and window installations and manufacturing. It demonstrates superior physical properties regarding adhesion, vibration, movement, shear strength and weatherability. It provides a long-lasting elastomeric seal which helps to prevent water and air intrusion. It can be applied to wet/damp surfaces and in extreme weather conditions. It will not wash out when exposed to rain prior to full cure. Crackproof, waterproof and weatherproof. It is important to note that this sealant is self-tooling, paintable and passes VOC regulations and ASTM C920.

BASIC USES

For siding applications, use with sill trim, flashings, fascia, J-trim, F-channel, and crown molding. Also used for sealing the perimeters of wood, PVC, and aluminum residential windows and doors.

Typical substrates include metals, plastic, wood, foam, vinyl, drywall, glass, fiber cement, concrete, mortar, brick, stone, fiberglass, stucco, most common building materials. Manufacturing applications include but are not limited to vehicles, RV's, cargo trailers, semi-trailers, truck bodies, steel tanks, HVAC units, boats, metal buildings, modular construction, cabinets. In glazing applications, TREMPRO® 830+ is used for face bedding, cap beads and sealing miter joints and mulling in window profiles.

FEATURES & BENEFITS

- VOC Compliant
- ASTM C920 certified
- Self-tooling
- Adheres to wet/damp surfaces
- Applies at temperatures as low as 20 °F (-7 °C)
- Extremely flexible – crack proof
- Waterproof & weatherproof
- Paintable after cure
- Excellent UV stability
- For exterior applications
- Wide service range for manufacturing and in-plant construction

PACKAGING

10.1-oz (300-mL) cartridges

10.1-oz (300-mL) sausages (color dependent)

20.3-oz (600-mL) sausages (color dependent)

AVAILABILITY

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

COLORS

60+ standard colors with the capability of matching custom colors. Minimum order quantities apply. Contact your Customer Service Representative.

LIMITATIONS

- Application temperature range is between 20 °F (-7 °C) and 120 °F (37.8 °C)
- Not for butt joints less than ¼" wide or joints exceeding ½" wide x ½" deep
- If joint depth exceeds ½", use foam backer rod
- Recommended bead size: 1/4" to 3/8"

- Apply a convex sealant bead to joint ensuring sealant contacts both surfaces
- Avoid gaps in sealant bead, fill joint and avoid tooling
- Natural shrinkage during cure will leave a flat or concave bead
- Not recommended for continuous underwater use, below grade applications, or for surface defects
- Store below 80°F in dry place for optimal shelf life

SUBSTRATE PREP

Surface must be sound, clean, and dry. Contact surfaces should be free of loose dirt, dust, oils, and any other contaminants. Tremco generally recommends that air temperatures be 40 °F (5 °C) or above before applying any sealant; TREMPRO 830+ can be applied down to 20 °F (-7 °C). If colder weather is imminent, please refer to the Tremco Guide for Cold Weather Applications at www.tremcosealants.com.

APPLICABLE STANDARDS

TREMPRO® 830+ meets or exceeds the requirements of the following specifications:

- ASTM C920 Type S, Grade NS, Class 25, Use T1, NT, A

APPLICATION

TREMPRO® 830+ is easy to apply with conventional caulking equipment. Avoid gaps in sealant bead, fill joint and avoid tooling. At 75 °F (23.9 °C), 50% RH, a skin will form within 5 min. Please visit www.tremcosealants.com for complete application instructions.

WARRANTY

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

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Rheological Properties	ASTM C639	< 3/16" displacement
Hardness Properties	ASTM C661	Shore A hardness 50-60
Tack Free Time	ASTM C679	< 1 hour
Skin Time	ASTM C679	5 minutes
Stain and Color Change	ASTM C510	No staining or color change
Adhesion in Peel	ASTM C794	Dry range to 31 lb. force
Effects of Accelerated Weathering	ASTM C793	No cracks
Adhesion and Cohesion under Cyclic Movement	ASTM C719	25%
Extrusion Rate	ASTM C1183	10-20 mL/min
Effects of Heat Aging	ASTM C1246	5%
Tensile Strength	ASTM D412	350 PSI
Total Elongation	ASTM D412	550%
Percent Solids		70.8%