

Trempro 830+

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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 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.

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
- Self-tooling
- 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 – clear and translucent

10.1-oz (300-mL) sausages – clear

20.3-oz (600-mL) sausages - clear

AVAILABILITY

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

COLORS

Clear and Translucent

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.

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 durable skin will form within 10 to 30 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	0 Flow, No deformation <1/8" (<3.0 mm)
Extrusion Rate	ASTM C661	Pass
Hardness Properties	ASTM C661	20 to 30
Weight Loss	ASTM C679	9%
Skin Time	ASTM C679	30 minutes
Tack Free Time	73.4°F (23°C) 50% RH	5 to 10 minutes
Stain and Color Change	ASTM C510	No visible color change, No stain
Adhesion to Aluminum	ASTM C794	11 to 12 pli (2.0 kN/M)
Adhesion to Wood	ASTM C794	15 to 17 pli (3.0 kN/M)
Adhesion to PVC	ASTM C794	15 to 17 pli (3.0 kN/M)
Adhesion to Glass	ASTM C794	15 to 17 pli (3.0 kN/M)
Effects of Accelerated Aging	ASTM C793	Pass

Tremco Commercial Sealants & Waterproofing | tremcosealants.com

MoYr/DOCCODE

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Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1350 Gay-Lussac, Unit: 3
Boucherville QC J4B 7G4
514.521.9555





TECHNICAL DATA SHEET

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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%

TREMPRO[®] 830+



Thermoplastic, Elastomeric Glass and Siding
Sealant

VOC Compliant • Passes ASTM C920

TRANSLUCENT	CLEAR	WHITE	WOLF WHITE	POLAR WHITE	ARCTIC WHITE	ARCTIC WHITE J	LINEN	IVORY
IVORY K	MATCHCOAT S.W.	WICKER	CASHMERE	COBBLESTONE	BISQUE	MOCHA	NAVAJO BEIGE	SANDALWOOD
SANDALWOOD G	SANDALWOOD K	KAKI	CLAY	PRESTIGE BEIGE	BEIGE	BUFF	SAND XL	SIERRA
COLONIAL RED	COUNTRYLANE RED	RUSTIC SIERRA	REDWOOD TAN	TRUE 250	RED FOX	FOREST GREEN K	BOOTHBAY BLUE	EVENING BLUE
TRUE 260	MARINE DUSK	MIST GRAY	PEARL GRAY	SLATE GRAY	GRAYSTONE	LIGHT MIST	DOVER GREY	PEARL GREY
LITTORAL	CHESAPEAKE GREY	GRAY SLATE	TIMBERWOLF	NIGHT GREY	BARNWOOD	CHARCOAL K	TIMBERTONE	TIMBERBARK
AGED PEWTER	STORM	ACADIA	SABLE CACTUS	RIVER ROCK	PEBBLE	MONTEREY TAUPE	KHAKI BROWN	FALAISE
MOUNTAIN SAGE	SABLE	RUSTIC GRANITE	BRONZE K	BROWN	DARK BROWN	CHOCOLATE BROWN	GRANITE XL	IRON GREY
ESPRESSO	DEEP OCEAN	IRON STONE	BARISTA	WALNUT	CHESTNUT	COMMERCIAL BROWN	ANTIQUE BROWN	IRON ORE
BRONZE	MIDNIGHT BLACK	BLACK						

*Scan to learn more about
the product now!*



Special colors and color matching options are available upon request.

This guide only offers a general representation of our color offering. Colors viewed on a computer screen and then printed will vary and will never be an exact representation of the actual pigment.

