

### Product Description

TremPro® 644 High Temperature Silicone Sealant is a one-part, ready-to-use silicone sealant. It has a paste-like consistency and cures to silicone rubber at room temperature.

### Basic Uses

The paste-like consistency of TremPro 644 High Temperature Sealant is easily gunnable and can be applied to vertical and overhead surfaces where use of pourable self-leveling sealants would not be practical.

This silicone sealant may be used in thicknesses up to 1/4" (6 mm) for bonding and sealing, joining metals and plastics, and electrical insulation.

TremPro 644 High Temperature Silicone is specially designed for:

High temperature situations, such as fireplace frames.

Sealing joints between most non-porous materials such as glass, aluminum, metal and metal alloys.

### Features and Benefits

- Continuous operation temperature range from -75 °F to 500 °F (up to 600 °F intermittently)
- One-part
- Thixotropic paste consistency
- Room temperature cure
- Excellent electrical insulation properties
- Excellent resistance to weather, ozone, UV and chemicals

### Packaging

10.1-oz (300-mL) cartridges

### Colors

High temperature red

### Availability

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

### Limitations

- Do not apply over damp or contaminated surfaces.
- Use with adequate ventilation.
- Do not use on galvanized steel, lead or copper.

### Substrate Preparation

For good adhesion, the joint surface must be sound, clean and dry. Depending on the substrate, the joint surface may require a thorough wire brushing with a steel wool or Scotch Brite pad and/or solvent wipe.

### Application

Damaged sealant can be repaired. Consult Tremco Technical Services or your local Tremco Sales Representative for repair procedures.

### Clean Up

Tool after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Excess sealant and smears adjacent to the joint can be removed with IPA or MEK before sealant cures.

### Warranty

Tremco warrants its Products to be free of defects in materials, 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.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Cure Time (1/8" thickness)		24 hr
Elongation		425%
Peel Strength on Aluminum		15 to 20 pli
Shore A Hardness	ASTM C661	25
Tack Free Time		30 min
Tensile Strength		175 to 200 psi

0316/TPRO644DS-ST



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