

# TRUSIL HTS

## HIGH TEMPERATURE SILICONE SEALANT

**PRODUCT NAME**

Trusil HT HTS-100 - NSF-51 certified, High Temperature Silicone Sealant

**MANUFACTURER**

Everkem Diversified Products  
 120 Regent Drive, Winston Salem, NC 27103  
 PH: 1-800-638-3160 | FAX: (336) 661-7969

**PRODUCT DESCRIPTION**

Trusil HT is a one-part acetoxy silicone sealant/adhesive used in applications where high-temperature resistance is required. Trusil HT can withstand continuous exposure of up to 500°F with intermittent exposure to 600°F. Trusil HT adheres to most building substrates including glass, wood, porcelain, ceramics, painted surfaces, as well as a variety of plastics and metals.

**APPLICATIONS**

- Stove and furnace vent pipes
- Oven and wood stove window seals
- Industrial ovens
- Appliance trim
- Sealing and encapsulating heating elements
- Industrial bag filters on smokestacks
- High-temperature applications in and around food processing and storage
- Other sealing, bonding, and gasketing applications where parts must perform at high temperatures

**ADVANTAGES**

- 50+ year durability
- High-temperature performance
- +/- 25% joint movement
- NSF-51 certified for contact with food

**LIMITATIONS**

- Prolonged water immersions
- Structural Silicone glazing
- Porous surfaces, such as masonry
- Non-paintable

**AVAILABLE COLORS**

TruSil HT is available in Red.

**TECHNICAL DATA**

**TYPICAL PHYSICAL PROPERTIES**

**Typical Uncured Properties**

Chemistry:	Acetoxy Silicone
Odor:	Moderate acetic odor
Uncured State:	Glossy paste
Application Temperature:	-25°F to 120°F (-31.7°C to 48.9°C)
Tooling Time:	5 to 7 minutes
Full Cure Time:	24 to 48 hours
Shelf Life:	1 year

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TECHNICAL DATA [CONT]

**TYPICAL PHYSICAL PROPERTIES**

**Typical Cured Properties**

Curing conditions of 75°F (24°C) and 50% relative humidity)

Cured State:	Rubbery solid
ASTM-C920:	Meets ASTM-C920 "Standard Specification for Elastomeric Sealants"
NSF/ANSI-51 Certified:	Meets NSF/ANSI-51 Certification for food contact
Service Temperature:	55°F to 500°F continuous/ 600°F intermittent, (12.78°C to 204.4°C)continuous / 315.55°C intermittent
Paintability:	Non-paintable
Joint Movement Capability:	+/- 25% Joint movement

APPLICABLE STANDARDS & SPECIFICATIONS

**SPECIFIED DIVISIONS**

- Section 07 90 00 - Joint Protection
- Section 07 92 00 - Joint Sealants
- Section 22 00 00 - Plumbing
- Section 23 00 00 - Heating, Ventilating, and Air Conditioning (HVAC)
- Section 26 00 00 - Electrical

**APPLICABLE STANDARDS/SPECIFICATIONS**

- ASTM-C920 - Standard Specification for Elastomeric Sealants
- NSF/ANSI-51: Food Equipment Materials & Related Food Equipment Standards
- FDA & USDA requirements
- Federal Specs: TT-S-01543A, TT-S-00230C

**ECOSEAL STANDARDS**

- V.O.C. Content: 30 g/L
- CDPH SM / CA Section 01350 Emissions Testing for LEED v4 Compliance

**INSTALLATION**  
SURFACE PREPARATION

Paint does not adhere well to silicone. Complete painting prior to silicone application. Clean debris and dry desired area. Surfaces should be clean of any debris or material that may prevent or deter adhesion. Such debris includes, but is not limited to: dirt, frost, loose particles, existing sealants, grease, oils, rust, etc.

APPLICATION

1. Remove tip and nozzle. Cut off tip the of the cartridge, puncture inner foil seal, and replace the nozzle. Screw nozzle on end and cut tip to desired bead size. Insert cartridge into standard caulk gun.
2. Hold at a 45° angle and apply by pushing sealant ahead of the nozzle to achieve a smooth seal. Apply using a steady, even pressure to completely bridge joints.
3. Complete tooling within 5 minutes. Use a dry paper towel to remove access material. Smooth caulk using a wet finger or a damp cloth for a clean, neat appearance.
4. Sealant normally "skins over" in 5 minutes, dries to touch in 1 hour, and cures and bonds in 24 hours. Allow 7 day cure time to reach maximum strength.

CLEANUP

Excess caulk should be cleaned from tools and nonporous surfaces while still uncured. On porous surfaces, product should be allowed to progress through the initial set-up, at which time removal is possible via abrasion or other mechanical means.

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**AVAILABILITY**

Trusil HT and other Everkem products are available from stocking distributors nationwide or direct from the manufacturer. For the name and telephone number of the nearest Everkem representative, call the number below or visit [www.everkemproducts.com](http://www.everkemproducts.com)

**PACKAGING OPTIONS**

PACKAGING OPTIONS			
Part #	Description	Packaging	Color
HTS-100	Trusil HT - 10.1 Fl. Oz. (298.7ml) Tube	12 tubes/case	Red

**MAINTENANCE**

Inspect sealant at a minimum of every five years. If sealant or bond of sealant is damaged, completely remove or cut away sealant in the damaged area, clean surface, and reapply sealant.

**TECHNICAL SERVICES**

Everkem representatives are available to assist you in selecting the sealant or adhesive appropriate for your application. For further assistance contact your local Everkem Diversified Products representative, call our corporate office at 1-800-638-3160, or contact us via our website at [www.everkemproducts.com](http://www.everkemproducts.com)

**WARRANTY**

Everkem Diversified Products warrants this product's performance provided it is properly stored and applied within 1 year. If when applied as directed this material proves to be defective, return the remaining product and proof of purchase for refund or replacement of product exclusive of labor or cost of labor. This is the sole and exclusive remedy for defects of product failure. The determination of eligibility for this warranty shall be made at the sole discretion of Everkem Diversified Products and any decision made shall be final. This warranty is in lieu of any other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose, and in no instance will Everkem Diversified Products be liable for damages in excess of the purchase price, except where such exclusion or limitation is prohibited by state law. Users must read and follow the directions of the current Technical Data Guide and SDS prior to product use. The user determines the suitability of the product intended for use and assumes all risks. Recommendations for the use of this product are based on tests we believe to be reliable. The manufacturer and seller are not responsible for results where the product is used under conditions not in strict accordance with our published recommendations and in applications considered suitable for this product. Everkem Diversified Products shall not be responsible for the use of this product in a manner to infringe upon any patent or any other intellectual property rights held by others.

**CAUTIONS**

**KEEP AWAY FROM CHILDREN.** Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling. **IF ON SKIN:** Wash with soap and water. Remove contaminated clothing, washing before reuse. If skin irritation occurs: Get medical attention. **IF IN EYES:** Rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. **IF INGESTED:** Wash mouth with water. Remove victim to fresh air. Give small quantities of water to drink. Do not induce vomiting. Store locked up. Dispose of contents in accordance with all local, regional, national, and international regulations. **NOT CONSIDERED HAZARDOUS BY OSHA HAZARD COMMUNICATION STANDARD**

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