

TRUSIL 100

100% Acetoxy Silicone Sealant

Technical Data Sheet

Product Description:

TruSil 100 Silicone Sealant is a high performance acetoxy curing silicone sealant adhesive that demonstrates high strength adhesion and excellent weatherability under the most severe conditions. TruSil has been specially formulated to meet low VOC requirements and is recognized for its smooth consistency, low temperature application, ease of tooling, and quick cure time.

Upon cure, TruSil100 is a medium modulus, permanently elastomeric material that meets ASTM-C920 performance standards and can withstand +/- 25% joint movement. TruSil 100 can be used for extended periods at temperatures up to 400°F (232°C).

TruSil 100 is an NSF 51 Certified Silicone Sealant, making it the ideal caulk to use in and around food processing and storage. Applications include repair of kitchen and restaurant appliances, sinks, stainless steel walls, walk-in-coolers, ice machines, & various types of refrigeration units, produce and meat storage/display, and repair of piping, seals, gaskets, and valves that may come into contact with food.

Applications:

- Exterior windows, skylight doors, and siding
- Kitchen, Bath, & Restaurant tile, sinks, tubs, and counters
- HVAC/R, Plumbing, Electrical, Roofing
- RV, trailer and specialty vehicle manufacture and repair
- Industrial Seals
- Walk in coolers, ice machines, and other types of refrigeration units
- Piping, seals, gaskets, and valves where contact with food may occur

Standards & Specifications:

Meets NSF 51 Certification Criteria
Meets ASTM-C920 Performance Criteria
Meets Federal Spec. TT-S-01543A
TT-S-00230C
Meets CDPH SM/ CA Section 01350 Emissions
Testing for LEED v4 Compliance

EcoSeal Standards:

V.O.C. Content: **30 g/l**
 NAHB Green Guidelines: **5 G.I. Points**
 Complies To: **SCAQMD Rule #1168**
OTC-Ozone Trans. Comm.
CARB
BAAQMD
LEED v4



Product Features

NSF 51 Certified
Meets ASTM-C920
50+ Year Durability
Excellent Weatherability
Permanently Flexible
High Temp Performance
Low Temp Flexibility
Mildew Resistant
+/- 25% Joint Movement
Low V.O.C. (30 g/l)

Physical Properties:

Chemistry	Acetoxy Silicone
Cure Type	Moisture Cure
Color	Clear White Black Aluminum Mildew Resistant Clear Mildew Resistant White Mildew Resistant Translucent White
Tack Free Time	5 - 7 Minutes at 75°F
Cure Time	24 - 48 Hours at 75°F
Application Temperature	-25°F to 120°F
Service Temperature	-55°F to 400°F
Joint Movement Capability	+/- 25%
Durometer Shore A	18
Tensile Strength	303 psi
Elongation At Break	337%
Shelf Life	12 Months



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Application Procedures:

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

Application Limitations:

- Structural silicone glazing
- Joints where physical abuse or abrasion is likely to be encountered
- Prolonged water immersions
- Porous surfaces, such as masonry
- Building materials that might bleed oils, plasticizers, or solvents- materials such as impregnated wood, oil based caulks, green or partially vulcanized rubber or gasket tapes
- Totally confined spaces, as sealant requires atmospheric moisture for cure

Clean Up Procedures:

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

Packaging Options:

Part #	Product Description	Color	Case Quantity
TS-100C	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Clear	12 tubes/case
TS-100W	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	White	12 tubes/case
TS-100B	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Black	12 tubes/case
TS-100AL	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Aluminum	12 tubes/case
TS-100MRC	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Mildew Resistant Clear	12 tubes/case
TS-100MRW	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Mildew Resistant White	12 tubes/case
TS-100MRTW	TruSil 100 100% Silicone Sealant 10.1 Fl. Oz. Tube	Mildew Resistant Translucent White	12 tubes/case



Scan this QR Code to be directed to our online product page, where you can view additional information including Safety Data Sheets and Applicable Testing Documentation

Disclaimer:

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.