



TFC 100[®] SMOOTH POLYURETHANE SEALANT

TFC 116[®] TEXTURED POLYURETHANE SEALANT

TFC100™ and TFC 116™ are one-component, high-performance, non-sag, multi-purpose elastomeric, polyurethane sealants. They meet the requirements of ASTM C-920, Type S, Grade NS, Class 25, Use NT, T, M, G, A, O; TT-S-00230C, Type II, Class A; CAN-19, 13-M87 and California Air Resources Board 2003 requirements for Volatile Organic Compound content.

Applications

- Construction Application
- Perimeter sealing of windows, doors & skylights
- Expansion joints
- Parapets/flashing
- Precast/tilt-up
- Fascia
- Curtain wall internal joints

Choose from six of the most popular colors to match your specific need.



*Actual color may vary. Contact TFC for color sample.

Specially formulated for metal roofs or any other application requiring high performance!



Product Specifications

Cured

| | | |
|---|-------------|------------|
| 7 days @ 75°F (24°C) and 50% RH | | |
| Movement Capability, % | + - 25 | ASTM C-719 |
| 100% Modulus, psi (Mpa) | 125 (0.86) | ASTM D-412 |
| Hardness, Shore A | 30+5 | ASTM C-661 |
| Tensile Strength, psi (MPa) | 150+-(1.03) | ASTM D-412 |
| Elongation at Break, % | 500 | ASTM D-412 |
| Peel Strength, | pli25 | ASTM C-794 |
| Bond Durability on glass, aluminum and concrete | + -25% | ASTM C-719 |
| Accelerated Weathering | Passes | ASTM C-793 |
| Staining | Passes | ASTM C-510 |

Uncured

| | | |
|---|-----------------|-------------|
| Skin-Over Time | 1.5 hrs. | MNA |
| Tack-Free Time | 4 hrs. | ASTM C-679 |
| Cure Rate | 1/8in. / 24hrs. | MNA |
| Extrusion Rate, g/min. | 325 | ASTM C-1183 |
| Slump of Sealant | Nil | ASTM D-2202 |
| Rheological, Vertical 120°F (49°C) | Non-sag | ASTM C-639 |
| Volatile Organic Content 3.64% by wt.: 44g/L 0.37 lbs/gal | | |
| Service Temperature: -40°F to 180°F | | |

ULTRA1000™

PREMIUM SEALANT FOR METAL

ULTRA1000™ Sealant is engineered to produce superior adhesion to metal, coated metals, wood, masonry, PVC and most common construction materials. Meets the requirements of ASTM C-920, TT-S-001543A and TT-S-230C.

20 Colors! Call for availability.



*Denotes in stock colors.
Actual color may vary. Contact TFC for color sample.

Features

- Adheres to Kynar coated metals
- Excellent adhesion flexibility
- VOC compliant
- Mildew resistant
- "Guns" down to 0°F
- Service temperature -40°F to +400°F
- Unaffected by UV light
- Tack free in 10 minutes & completely cured in up to 2 days

Applications

- Wood
- Flashing
- Trim
- Masonry
- Metal Siding
- Metal Roof
- PVC
- Downspouts
- Steel
- Gutters
- Aluminum
- Roof Tile

Stop wasting your sealant!



Our TIP-KIT allows you to reseal your sealant.

Product Specifications

Material: Polysiloxanes - Oxime Cured
 Tubes per Carton: 12
 Coverage: 10.3 fl oz. - 1/4" bead - 28 linear feet per tube
 Specifications: Meets or exceeds ASTM C-920, TT-S-001543A
 Odor: None
 Weight per Gallon: 10.2 lbs.
 Solids: 97%
 Water Resistance: Good (Do not submerge)
 Exterior Weathering: Excellent
 Temperature Range at Application: 0° F - 120° F
 Temperature Range During Service: -40° F - +400° F

Shelf life: Use product within 18 months from manufacturer's date.
 FREEZE THAW STABLE. Store product at 40°F to 80°F.

Installation Tips

- Air, caulk and surface temperature should be above 20°F.
 Not for continuous submersion or use below the waterline.
- Do not install below 0°F surface temperature.
 - Do not install above 120°F surface temperature.
 - Do not install on frost-laden or wet surfaces.
 - Do not install where joints are completely sealed.
 - Can not be painted.

| | <u>Skin Time</u> | <u>Cure Time</u> |
|-----------------------|------------------|------------------|
| 40° F at 40% humidity | 40 minutes | 2 - 3 days |
| 75° F at 50% humidity | 10 minutes | < 24 hours |
| 95° F at 95% humidity | 5 minutes | |

Clean Up

Clean tools with toluene or mineral spirits before it dries. After setting, excess sealant must be cut or scraped away.

DISCLAIMER: ALL DATA AND SPECIFICATIONS ARE BASED ON LABORATORY TESTS. APPROPRIATE SAFETY FACTORS SHOULD BE USED BY THE USER OR SPECIFIER. DETERMINING THE PROPER FASTENER IS THE RESPONSIBILITY OF THE USER OR SPECIFIER. BECAUSE APPLICATION CONDITIONS VARY, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.

| Physical Property | Test Method | Typical Value |
|--|-------------|--|
| Specific Gravity | | 1.00 - 1.25 |
| Tensile Strength | ASTM D412 | 140 - 200 psi |
| Elongation | ASTM D412 | 500 - 650% |
| Tear Resistance | ASTM D 624 | 30 - 35 Pli |
| Shore Hardness | ASTM D 2240 | 22 ± 8 |
| Service Temperature | | -40°C - 250°C (-40°F - 400°F) |
| Join Sealant Designation | ASTM C920 | Type S Grade NS Class 25 Use NT, M, G, A, O |
| Adhesion Glass Aluminum Vinyl | ASTM D 903 | 12 - 15 pli 10 - 14 pli 12 - 15 pli |

*The values outlines reflect testing that was conducted on laboratory prepared specimens, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional information.

Limited Warranty: Satisfaction guaranteed when handled and applied according to label CAUTION! Avoid contact with eyes and skin. Wash hands after using. KEEP OUT OF REACH OF CHILDREN First Aid: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: Eye and skin irritant! Do not swallow. Do not allow eye contact or prolonged skin contact. SEEK IMMEDIATE MEDICAL ATTENTION. Additional information please refer to MSDS.

