



TOWER TECH²™ Acrylic Urethane Elastomeric Sealant

Product Description:

TOWER TECH²™ is a 1 component, high performance, gun-grade, Urethane Modified Acrylic Sealant. Premium technology reduces dirt pickup, eliminates yellowing and shiners. Internally plasticized resin requires no mixing or priming to bond to most materials, including concrete, wood and masonry. **TOWER TECH²™** has superior adhesion, durability, 50% total joint movement and 800% elongation. It forms an airtight, water resistant seal offering exceptional protection from environmental conditions. Once cured, the bead is mildew resistant. **Tower Tech²™** is safe for UV exposure and will not discolor.

Performance Features:

- Exceeds ASTM C-920, Grade NS, Class 25. Use M, G, A, O & NT
- Exceeds ASTM C-834, Type OP, Grade -18°C
- Exceeds Fed. Spec TTS-00230C, Type II, Class A
- Up to 2" in properly designed joints
- 800% Elongation
- Superior Adhesion
- Internally Plasticized
- Exceptional Adhesion and Durability
- Cured UV & Mildew Resistant Bead
- Interior / Exterior
- Vacuum Filled Tubes
- Lifetime Warranty

Suggested Applications:

Windows	Stucco	Expansion Joints
Doors	Panel Walls	Tilt Wall
Siding	Precast Units	Parapets

Suggested Substrates:

Masonry	Wood	Ceramic/Porcelain Tile
Concrete	Cement Board	Galvanized
Aluminum	Glass	Vinyl Siding

Surface Preparation:

Surfaces to be caulked must be dry and free of all dirt, dust, oil, mildew, loose paint, old caulk or other contaminants. Bare surfaces should be primed before caulking. Only apply when sealant, surface, and air temperature are above 40°F and rising. Do not apply on surfaces that exceed 140°F, or when rain is expected.

Product Specifications

Vehicle:	Proprietary Urethane/Modified Acrylic Blend (Siliconized)
VOC:	Non-chemically curing sealant. VOC (less exempt solvents) is <1.5%
Solids:	Approximately 70%
Weight per Gallon:	9.3 ± 0.5
Service Temp:	-40°F to 180°F
Temp Application Range:	40°F and rising. Air temp no hotter than 95° and substrate not hotter than 140°
Freeze Thaw Stability:	Passes 5 Cycles @ 0°F (1 cycle = 16hrs. @ 0°F, 8hrs at 75°F)
Dynamic Joint Movement:	Approximately ± 25%
Flash Point:	Not Applicable
Consistency:	15 to 55 G/S @ 75°F (SEMCO gun at 50psi)
Applications:	Interior / Exterior
Life Expectancy:	Lifetime performance
Shelf Life:	24 months when stored at 50°F to 80°F
Coverage: 10.1 fl oz:	55 linear ft. at a 3/16" bead
Odor:	Mild Sweet Acrylic
Tooling Time:	15 Minutes
Tack Free Time:	60 Minutes
Paint Over Time:	4-6 Hours
Full Cure:	7-14 Days

Packaging:	10.1 fl oz.	UPC Code:
Item Number:		
White:	TS-00215	843034002158
Clear:	TS-00130	843034001304
Almond:	TS-00228	843034002288
Alum Gray:	TS-00220	843034002202
Black:	TS-00232	843034002325
Bronze:	TS-00123	843034001236
Gold:	TS-00240	843034002400
Limestone:	TS-00147	843034001472
Off White:	TS-00142	843034001427
Pine Green:	TS-00229	843034002295
Redwood:	TS-00231	843034002318
Redwood Tan:	TS-00225	843034002257
Stone:	TS-00196	843034001960
Tan:	TS-00194	843034001946
Woodtone:	TS-00230	843034002301

Packaging:	20 fl oz.	UPC Code:
Item Number:		
White:	TS-00235	843034002356
Almond:	TS-00239	843034002394
Alum Gray:	TS-00246	843034002462
Black:	TS-00245	843034002455
Bronze:	TS-00238	843034002387
Limestone:	TS-00237	843034002370
Stone:	TS-00236	843034002363

TOWER TECH²™ – (cont.)**Application:**

1. Cut nozzle at a 45° angle. Cured bead should be between 1/8" and 2" wide. Use a foam backer rod for joints that exceed 1/2" in depth. 2. Smooth bead with a moistened cloth. 3. Clean up uncured material and tools with soap and water. 4. Allow 4 to 6 hours before painting. Coverage: 55 linear feet for a 3/16" bead. NOT INTENDED FOR AREAS THAT WILL BE SUBMERGED IN WATER. KEEP FROM FREEZING. NOT FOR FOOD CONTACT SURFACES.

Clean Up:

Immediately after use, clean uncured material and tools with soap and water. Remove cured sealant by cutting with a sharp-edged tool.

CERTIFICATION & TESTING

Property	Tower Tech ²
Type	Acrylic Urethane
ASTM Claims	Class 25
Tensile Properties	Cured Sample
Property	Value
Maximum Stress (psi)	152 ± 5
Elongation to Break	900% ± 44
Elongation Max Stress	800% ± 10
Performance Test	Result
ASTM-C920 CLASS 25	Exceeds
TTS-00230	Pass

NOTES:

Dry adhesion after fully curing sealant, as required by ASTM test protocol.

Property	Tower Tech ²
Dry Peel Adhesion	ASTM C-794 (pli)
Aluminum	32-42
Glass	39-45
Cement	32
Wet Peel Adhesion	ASTM C-794 (pli)
Aluminum	20-28
Glass	25-2
Cement	14-24
Channel Slump ASTM C-639	0 mm
Tack-Free Time ASTM C-679	60 mins
Shore A Hardness	15 ± 2
Formulation Characteristics	
Extrusion Rate	15 g/sec
pH	< 8.3
ASTM C-793	Pass
After 250 hours WOM -15° F	Pass
± 25% Joint Movement	ASTM C-719
Aluminum	Pass
Glass	Pass
Cement	Pass
AAMA Testing	Result
AAMA 808.3	Complies with physical requirements

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TOWER TECH²™ – (cont.)

WARNING! IRRITATING TO SKIN, EYES AND RESPIRATORY TRACT. Harmful if swallowed, inhaled or absorbed through the skin. May cause allergic skin reactions and/or central nervous system depression. Adverse reproduction effects have been reported in animals. May cause adverse kidney effects. Avoid contact with eyes, skin and clothing. Use in well ventilated area. Wear eye, skin, and respiratory protection. Eye contact: Immediately flush with water for 15 minutes and get medical attention immediately. If swallowed: Do not induce vomiting. Give large quantities of water and get medical attention. Never give anything by mouth to an unconscious person. For health information, refer to Material Safety Data Sheet or call Chemtrec at 800-424-9300. **KEEP OUT OF REACH OF CHILDREN.**

⚠WARNING! Cancer and Reproductive Harm – Go to www.P65Warnings.ca.gov for additional information

First Aid:

In case of skin contact, wash off quickly with plenty of soap and water and remove contaminated clothing. For eye contact, flush eyes immediately with large quantities of water for at least 15 minutes. If swallowed, obtain medical treatment immediately. **DO NOT INDUCE VOMITING.** If inhalation causes physical discomfort, move to fresh air. If discomfort persists or any breathing difficulty occurs, seek medical help.

Material Safety Data Sheets (SDS) available upon request via towersealants.com or by calling 866-897-7568

Product Replacement Policy: After proper storage and application, if this product cracks, peels or separates, manufacturer will replace the product if purchaser returns proof of purchase to manufacturer. Manufacturer shall not be held liable for damages in excess of the purchase price. This is the sole and exclusive remedy and liability for defects or failure of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.