



# Technical Bulletin

Manufactured by:



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## Professional Sealants

### Brigade 1 Star Door & Window Elastomeric Sealant

- High elongation and superior recovery
- Interior or exterior use
- Paintable
- Cured bead is mildew resistant
- Cleans with soap and water
- VOC < 1.5%, Low odor

#### Product Description:

**Brigade 1 Star Door & Window** is a professional grade premium elastomeric construction sealant. This 100% acrylic sealant can be used on a wide variety of interior/ exterior surfaces, delivering good adhesion and durability. **Brigade 1 Star Door & Window** forms a flexible, durable, airtight, water resistant seal that offers great protection from environmental conditions and features good elongation. Once cured, **Brigade 1 Star Door & Window** forms a flexible, durable, airtight, water resistant seal that offers protection from environmental conditions. Once cured is mildew resistant. It is low odor, easy to apply and is soap and water cleanup.

#### Performance Characteristics:

- Meets ASTM C-834, Type OP, Grade 0°C
- Meets Fed. Spec. TTS-00230 Type S, Class B
- Up to 1/2" in properly designed joints
- 50 year guarantee.

#### Suggested Applications:

Windows	Trim	Penetrations
Doors	Sinks	Hardboard
Counters	Siding	Flashings
Stucco	EIFS	Control Joints

#### Suggested Substrates:

Masonry	Ceramic Tile	Wood
Concrete	Glass	Metal
Porcelain	Brick	Marble
Painted Surfaces		

#### Surface Preparation:

- Surface must be dry and free of dirt, dust, oil, mildew, loose paint, old caulk or other contaminants.
- Only apply when sealant surface and air temperature are above 40°F and rising.
- Do not apply on surfaces above 120° F or when rain is expected.

#### Application:

- Cut nozzle at a 45° angle.
- Properly designed joint not to exceed 1/2+in width.
- Use backer rod for joints deeper than 1/2+
- Use a non-gassing foam backer rod and or bond breaker tape to prevent 3 point adhesion.
- Tool or smooth bead within 10 to 15 minutes, depending on climatic conditions.
- Sealant maybe removed and tools cleaned prior to curing with soap and water.
- Depending on climatic conditions, allow 4 to 6 curing time prior to painting.

## Brigade 1 Star Door & Window Elastomeric Sealant

### Physical & Chemical Characteristics:

Vehicle:	100% Acrylic Emulsion Polymer / Siliconized
VOC Less exempt solvents:	< 1.5%
Pigment:	Calcium Carbonate
Solids:	Approximately 82%
Weight per Gallon:	13.2 ± 0.5
Specific Gravity:	Approximately 1.58
Service Temperature:	-35°F to 180°F
Temperature Application Range:	40°F and rising. Air temp no hotter than 95° and substrate not hotter than 120°F
Freeze Thaw Stability:	Passes 5 Cycles@ 0°F (1 cycle = 16hrs. @ 0°F, 8hrs at 75°F)
Dynamic Joint Movement:	Tested to ± 7.5%
Flash Point:	None
Consistency:	12.5 to 22.5 G/S @ 75°F (SEMCO gun at 50psi)
Applications:	Interior / Exterior
Life Expectancy:	50 year performance
Shelf Life:	24 months when stored at 50°F to 80°F
Coverage: 10.1 fl oz:	54 linear ft. at a 3/16+bead
Odor:	Mild Sweet Acrylic
Tooling Time:	10 to 15 Minutes
Tack Free Time:	60 Minutes
MSDS No.	053

### Notes:

Curing, tooling and tack free time were tested @ 75°F 50%RH. A 1/2" by 1/2" by 1/2" wood joint. Differences in environmental conditions, joint size, and substrate will cause significant differences in these times. For best results, tool immediately after application in order to ensure the best possible adhesion and a smooth finished surface.

Depending on the environmental conditions, full cure of these water based sealants should occur 7-14 days after application.

### Clean up:

- Clean up hands and tools with soap and water.
- Clean up excess caulk with a damp cloth.

### Safety:

- See Material Safety Data Sheet for safety information or product label.
- To request a Material Safety Data Sheet call 866-897-7568

**Packaging:** 10.1 fl oz. (299 ml)

**Colors:** White BR10211