



# BOSTI-SIL 25™

100% RTV SILICONE SEALANT

## KEY FEATURES

- Interior and exterior use
- Joint movement of +/- 25%
- Extreme weather resistance

## DESCRIPTION

Bostik BOSTI-SIL 25™ is an easy to apply, one component sealant that cures to a durable, flexible, silicone rubber upon exposure to atmospheric moisture while giving off a small amount of acetic acid.

BOSTI-SIL 25™ has been specifically designed for fast curing and excellent adhesion to non-porous surfaces such as glass, metals and ceramics. BOSTI-SIL 25™ is a highly flexible silicone sealant that accommodates joint movement of +/- 25%.

BOSTI-SIL 25™ has been developed for building construction and industrial sealing application, particularly effective for glazing joints and sealing curtain wall applications. BOSTI-SIL 25™ applications include: weather sealing, top sealing in glazing applications, weatherproofing between glass and aluminum, general industrial uses and hygiene seals in refrigeration.

## PRODUCT FEATURES

- Easy to apply
- Excellent gunnability throughout a wide temperature range
- Excellent unprimed adhesion to most common non-porous substrates
- Long product life expectancy
- Highly resistant to ultraviolet light, ozone, moisture and extreme temperature variations
- Dry tools easily to a smooth, attractive finish
- Good tear resistance
- Excellent movement capabilities (+/- 25%)
- Rubber-like properties are maintained throughout product life
- Service temperature range -65°F to 400°F (-54°C to 204°C)
- Skins quickly
- No special cold storage requirements are necessary

## APPLICABLE STANDARDS

BOSTI-SIL 25™ silicone sealant meets or exceeds the test requirements of:

- Federal Specification TT-S-0001543A (COM-NBS) Class A, Type NS, Class A, Use G



- Federal Specification TT-S-00230C (COM-NBS) Type II, Class A, Use G
- ASTM Specification C-920, Type S, Grade NS, Class 25, Use T, NT, M, G, A
- ASTM C-834 Type OP, Grade -18° C

## APPLICATIONS

BOSTI-SIL 25™ can easily be applied with conventional hand or air powered caulking equipment. The sealant should be applied in a continuous operation with adequate pressure to fill the joint to the proper depth. (Do not overfill the joint).

## DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installation. Follow applicable installation standards. Refer to [www.bostik.com/us](http://www.bostik.com/us) for the most recent product information and safety data sheet prior to installation.

## SURFACE PREPARATION

All surfaces must be structurally sound, clean, free of dust, dirt, oil, grease, water, curing compounds, sealers, waxes or any contaminants that may inhibit proper bond. TCNA recommends roughing or scarifying glazed tile substrates. NOTE: It is the user's responsibility to determine the condition and suitability of all surfaces before application.

## JOINT DIMENSIONS

Joint size should not exceed 1/2" wide x 1/2" deep. If depth exceeds 1/2", use backer rod.

## JOINT BACKING BOND BREAKER

Joint backing should be used to control the recommended joint depth and prevent 3-sided adhesion. Joint backing may be open

cell polyurethane foam or closed cell polyurethane. Joint backing must be thoroughly dry. Where joint design or depth will prevent the use of joint backing, an approved adhesive backed polyurethane bond breaker tape must be installed to prevent 3-sided adhesion. Do not install more joint backing or bond breaker tape than can be caulked in one day.

### TOOLING

Dry tool the sealant with light pressure immediately after application to ensure positive and complete contact of the sealant to the joint interface.

### MASKING

Should masking be required, it is recommended the masking tape be removed immediately after tooling, before the sealant skins. If necessary, the sealant can be installed below freezing provided the surfaces are clean, dry and frost-free. We recommend, however, for best conditions and performance, that the sealant be applied above 40°F (4°C).

### CLEAN UP

Cleaning of equipment and tools can be accomplished with solvents such as xylol, toluol or methyl ethyl ketone (MEK) while sealant is uncured.

### STORAGE/SHELF LIFE

Product shelf life is 12 months under normal storage conditions of 80°F (27°C) or less. No special cold temperature storage provisions are required.

### LIMITATIONS

- Not paintable
- Porous substrates
- Glazing of insulated glass units sealed with two-part silicone secondary seals
- Exterior below grade use
- Continuous water immersion
- Applications over tars, asphalt or materials that bleed oils, plasticizers or solvents
- Applications in airtight enclosures as the sealant requires atmospheric moisture to cure
- Horizontal traffic joints

### PACKAGING

Available in 10.1 fl oz (300ml) cartridges, 12 per case, 140 per pallet.

### AVAILABLE COLORS

Clear, White, Almond, Bronze, Black, Aluminum and Tan.

### CAUTION

IRRITANT. MAY IRRITATE EYES, SKIN OR RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Do not swallow. Handle with care. Use only in a well-ventilated area or wear a mask. Wear protective clothing including gloves. Wash thoroughly after handling. Store in a cool, dry area. Do not reuse container.

**KEEP OUT OF REACH OF CHILDREN**

## CHEMICAL & PHYSICAL PROPERTIES

<b>Chemical Properties</b>	Chemistry Type	Acetoxy-Cure Silicone
	Adhesive Type	Sealant
	VOC Compliant (calculated per SCAQMD Rule 1168)	Yes (23 g/L)
<b>Use Environments</b>	New Construction	Yes
	Remodel	Yes
	Residential	Yes
	Offices/Light Commercial	Yes
	Heavy Commercial	Yes
	Offices	Yes
	Hospital	Yes
	Multifamily	Yes
	Highrise	Yes
	Exterior	Yes
Wet Areas	Yes	
<b>Application Properties</b>	Ease of Gunning	Easy
	Odor	Mild
	Open/Working Time**	15 min
	Color	Multiple
	Movement Accommodations	+/- 25%
	Specific Gravity (@ 77F / 25C)	1.03
	Extrusion Rate	400 g/min
	Temperature Resistance	-65°F to 400°F (-54°C to 204°C)
<b>Cured Physical Properties</b>	Full Cure Time	7 days
	Skinning Time	15mins @ 77° F (25° C)
	Shrinkage	Approx 30%
	Hardness	Shore A, Points 27
	Tensile Strength, PSI (MPa)	250 (2.40)
	Tear Strength, PLI (kN/m)	25 (4.4)
	Peel Strength, PLI (kN/m)	20 (3.5)
Weathering (6,000hrs)	No change in hardness or color	

\*\* Per ASTM E203-01 Standard Test Method for water using Volumetric Karl Fischer Titration Method. Results rounded to the nearest tenth. Test Method has error range of +/- 0.2%.

### FIRST AID TREATMENT

Contains ethyltriacetoxysilane, methyltriacetoxysilane and silicone dioxide inextricably bound in a polymer matrix. If in eyes or on skin, rinse well with water for at least 15 minutes. If on clothes, remove clothing. If inhaled, move person into fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

### SEE SAFETY DATA SHEET

**CHEMICAL EMERGENCY:** 800-424-9300 (USA), 703-527-3887 (International)

**MEDICAL EMERGENCY:** 866-767-5089

### VOC

23 g/L (as calculated per SCAQMD Rule 1168)

### BOSTIK HOTLINE

**Smart help**  
**1-800-726-7845**

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