



PURE SILICONE™

100% NEUTRAL-CURE SILICONE

TECHNICAL DATA SHEET 10/18/2023

SMART ADVANTAGES

- Waterproof
- Permanently flexible
- Movement capacity — 25%

DESCRIPTION

Pure Silicone™ sealant is a specially formulated, neutral-cure, 100% silicone sealant for a variety of substrates such as ceramic tile, porcelain, slate, aluminum, wood, metal, glass, fiberglass, laminate, concrete, PVC and other plastics, and many other common materials. UV- and mildew-resistant Pure Silicone™ will not shrink or crack, providing a flexible barrier and tenacious adhesion between horizontal and vertical surfaces or any other changes in plane such as expansion joints in fixtures, tub surrounds, sinks, toilets, vanities, electrical plumbing penetrations, roofing, floors, walls, and ceilings. Pure Silicone™ conforms to TCNA Handbook EJ171, and it meets or exceeds the test requirements of:

- ASTM C920 Type (S) Grade (NS) Class (25), (M), (A), (G), (T), (NT),
- TT-S-01543A
- TT-S-00230C
- AAMA, 803.3, 905.2, 803.3 Type (I), 802.3 Type (II).
- Conforms to TCNA Handbook EJ171 Specification

WHERE TO USE

Interior/exterior, vertical or horizontal surfaces, and intermittent wet.

DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installation. Follow applicable ANSI, NTCA, and TCNA installation standards. Refer to 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 a proper bond.

NOTE: It is the user's responsibility to determine the condition and suitability of all surfaces before application.



APPLICATION

Mask both sides of the joint. Remove tip cover, cut tip on a 45° angle to desired diameter and puncture the seal inside the tube. Place in a caulking gun and apply using steady, even pressure to completely bridge joints. Smooth by dry tooling the bead and remove masking tape immediately. Wipe off any sealant on the face of the veneer with a paper towel before surface sealant skins over. Excess sealant should be removed before curing. Application temperature range is -35°F to 160°F (-37°C to 71°C).

TYPICAL PHYSICAL PROPERTIES*

Property	Value	Test Method/ Note
Service Temperature Range	-40°F to 300°F (-54°C to 149°C)	--
Sag or Slump	None	ASTM C-639
Tack-Free Time (50% RH)	20-30 minutes	ASTM C-679
Tooling Time	15-20 minutes	--
Joint Movement	+ /- 25%	ASTM C-920

This supersedes and replaces in its entirety all previously published versions of this document. B114185

CLEANUP

Clean all tools and equipment immediately with mineral spirits while sealant is uncured.

COVERAGE

Coverage will vary depending upon joint size and width.

Joint Depth	Joint Widths	
	1/8"	1/4"
1/8"	96'	48'
1/4"	48'	24'

PACKAGING

10.1 fl. oz. (300 mL) cartridges, 6 cartridges per case

STORAGE/SHELF LIFE

Store in a clean, dry area not affected by freezing or hot temperatures between 50°F and 90°F (between 10°C and 32°C). Shelf life is 18 months from date of manufacturing on unopened cartridge.

VOC

40 g/L (as calculated per SCAQMD 1168)

LIMITATIONS

- Service temperature range -40°F and 300°F (-54°C to 149°C).
- Do not use in areas where joints will be subject to heavy abrasion or wear.
- Product may stain porous materials. Test a small area for staining or leaching before use with porous material, such as natural stone.
- Do not use for structural glazing.
- Product should not be used in areas where material may come in contact with plasticizers or other materials that will prevent adhesion.
- For joints with depth greater than 1/2" (12 mm), the caulking depth must be controlled by a closed-cell backer rod.
- The sealant depth should be between 3/16" and 1/2" (4.8 mm and 12.7 mm).
- Not paintable.
- Check for compatibility with natural stone products.
- Releases a small amount of acetic acid during use.
- Not for use in exterior, below-grade applications.

LIMITED WARRANTY found at www.bostik.com/us. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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CAUTION

IRRITANT. MAY IRRITATE EYES, SKIN OR RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED. CONTAINS POTENTIAL SENSITIZER. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. Methanol may form during curing. 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

FIRST AID TREATMENT

Contains Silicon Dioxide, Methyltri (ethylmethylketoxime) Silane, Methyl Ethyl Ketoxime and Titanium 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 the 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

BOSTIK HOTLINE

Smart help 1-800-726-7845



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