



# HYBRI-SIL<sup>®</sup> CLEAR

## ADVANCED HYBRID POLYMER SEALANT & ADHESIVE

TECHNICAL DATA SHEET 12/13/2024

### SMART ADVANTAGES

- Crystal clear
- High UV resistance
- Interior and exterior

### DESCRIPTION

Bostik's HYBRI-SIL<sup>®</sup> CLEAR is a crystal-clear hybrid polymer sealant and adhesive. HYBRI-SIL CLEAR is free of phthalates, tin, and solvents. HYBRI-SIL CLEAR can be used as a sealant and adhesive for door, window, roofing, interior, and many other applications. HYBRI-SIL CLEAR bonds metals, concrete, wood, ceramic, PVC, and other common building materials. HYBRI-SIL CLEAR bonds to both porous and nonporous surfaces.

### FEATURES

- Seals and bonds
- Tin, solvent, and phthalate free
- Low VOCs
- Waterproof
- Can be applied to wet or dry surfaces
- Low odor
- Paintable
- Excellent adhesion to common building substrates

### APPLICATION STANDARDS

Bostik's HYBRI-SIL CLEAR meets or exceeds the standard specification for sealants ASTM C920, Type S, Grade NS, Class 25, use NT. HYBRI-SIL CLEAR complies with the specification requirements of AAMA 803.3-10, Type 1.

### APPLICATION

HYBRI-SIL CLEAR 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 width and depth (do not overfill the joint). When used as an adhesive, apply HYBRI-SIL CLEAR in vertical stripes, not dots.



### DIRECTIONS FOR USE

- Cut nozzle to desired bead size (3/8" is recommended).
- Surfaces must be clean and free of dirt.
- Gun sealant into void to provide a solid fill.
- Can be painted with latex or water-based paints after 1-2 hours. Oil-based paints require at least 24 hours curing time.
- Clean up excess materials and tools with Xylene, Toluene or similar aromatic solvent. Cured sealant must be mechanically removed after cure.
- Store at room temperature

### JOINT DIMENSIONS

Joint size should not exceed 1" x 1/2" (width x depth). For deeper joints, a backer rod must be used.

### 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 sealed in a 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. Applicators may use a slightly wet spatula if necessary.

This supersedes and replaces in its entirety all previously published versions of this document. B73254

## MASKING

Should masking be required, it is recommended that masking tape be removed before the sealant skins over.

## COVERAGE

Coverage will vary depending on joint size. Approximate coverage for a 9.8 fl. oz. (290 mL) cartridge is 22 linear feet, when using a 1/4" bead and 10 linear feet with a 3/8" bead.

## LEED® CONTRIBUTION

This low-VOC formulation may contribute toward LEED® credits under the section NC-v2.2 EQ 4.1: Low Emitting Materials – Adhesives and Sealants.

## CLEAN UP

After dry-wiping uncured sealant from substrates and tools, remaining uncured sealant can be removed by using Xylene, Toluene, or similar aromatic solvents. Refer to the SDSs of the solvents before use. Cured sealant can be removed mechanically.

## STORAGE/SHELF LIFE

Product shelf life is 15 months from the date of manufacture. Storage conditions must be between 40°F and 80°F.

## LIMITATIONS

- PRIOR TO FULL INSTALLATION, APPLY TO A TEST AREA TO BECOME FAMILIAR WITH APPLICATION AND TO ENSURE PRODUCT SATISFACTION
- Not recommended for prolonged immersion in water or pools.
- Not recommended for natural stone, mirrors, or glazing joints.
- Some oil or alkyd paints may not be compatible.
- Smearing and feathering over joints is not recommended.
- Not recommended for polyethylene, Teflon, polypropylene surfaces, asphalt tape or Kynar-coated surfaces.

## PACKAGING

Available in 9.8 fl oz (290 mL) cartridges, 12 per case

## CAUTION

MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not get in eyes, on skin or on clothing. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

**KEEP OUT OF REACH OF CHILDREN**

## CHEMICAL & PHYSICAL PROPERTIES

Chemical Properties	Chemistry Type	Hybrid Polymer
	VOC Compliant	Yes (<30 g/L)
Use Environments	New Construction	Yes
	Remodel	Yes
	Residential	Yes
	Light Commercial	Yes
	Heavy Commercial	Yes
	Offices	Yes
	Hospital	Yes
	Multifamily	Yes
Application Properties	Exterior	Yes
	Interior	Yes
	Application Use	Sealing & Bonding
	Ease of Gunning	Easy
	Odor	Low/No
	Application Temperature	0°F to 140°F
Cured Physical Properties	Color(s)	Clear/Transparent
	Sag Resistance (ASTM C639)	< 0.1 in
	Cure Rate	0.12 in at 24h
	Skinning Time	30 minutes
	Shrinkage	<4%
	Temperature Resistance	-40°F to 160°F
	Hardness (ASTM C661)	15-20
	Movement Accommodations	+/- 25%
	Paintable	Yes
	Tensile Strength (ASTM D412)	250 PSI
LEED® Contribution	EQ 4.1: Low-Emitting Materials: VOC	<30 g/L (measured per EPA Method 24)

## FIRST AID TREATMENT

If in eyes or on skin, rinse with water for at least 15 minutes. If inhaled, remove to 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

<10 g/L (measured per EPA Method 24)

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## BOSTIK HOTLINE

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