

CLIMATE

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www.climateadhesive.com

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Product Description

CLIMATE SL is a highly elastic, moisture-curing, sealant designed for horizontal expansion joints and cove joints on concrete, tile, and masonry substrates. This sealant can also be used for deep applications such as roof and foundation penetrations. **CLIMATE SL** can be applied at a wide range of temperatures from 100 degrees Fahrenheit, down to 30 degrees Fahrenheit.

In horizontal joints **CLIMATE SL** levels to a smooth, glossy finish that seldom requires tooling. Where performance is critical, a primer may be required, as well as an appropriate sized backer-rod.

Prepare joints by removing dirt and debris with a wire brush and air blow to clean out joint. Do not use petroleum solvent. Prime interior surfaces before inserting backer-rod. **CLIMATE SL** skins over in about 30 to 45 minutes. Sealed joints will not bear traffic for one day. **CLIMATE SL** is paintable in two days.

Applicable Performance Standards

- ASTM C920, Type S, Grade NS, Class 50, Uses NT, T1, M, G, A, & O
- ASTM E84, Class A
- ASTM D4586
- Federal Specification TT-S-00230-C Type II, Class B
- Corps of Engineers CRD-C-541, Type II, Class B
- Canadian Standards Board CAN 19, 13-M82

Regulatory Compliance

- Conforms to OTC Rule for Sealants and Caulks
- Meets Requirements of California Regs: CARB, BAAQMD, and SCAQMD
- This product does not contain cancer causing chemicals listed in California Propositions 65.

- Conforms to USDA Requirements for Non-food Contact

Advantages

- Solvent free, 100% solids will not shrink
- 30-minute skin over
- No outgassing on damp surfaces
- Good color stability, will not suntan
- Paintable within 24 hours (See limitations)
- Gun grade, no special tools or mixing required
- Application at temperatures as low as 32°F (0°C)
- Made in the USA – ISO 9001:2015 certified

Colors

Available in gray. Additional information regarding other colors is available upon request.

Packaging

- 20 oz (600 ml) sausages
 - 12 sausages/carton, 40 cartons/pallet

Green Standards

LEED 2.2 for New Construction and Major Renovations:

Low Emitting Materials (Section 4.1) 1 Point

NAHB Model Green Home Building Guidelines: 5 Global Impact Points

VOC Content: less than 17 grams/liter ASTM D2369 EPA Method 24 (tested at 240°F/115°C)

Sealant - SL

Compatible Substrates*
EPDM and SBS Mod Bit
Asphalt Shingles
Aluminum and Galvanized Metal
Stainless Steel
Engineered Plastics, PVC
Glass
Fiberglass FRP
Wood
Block and Brick
EPS Foam
Concrete and Stone
EIFS, Stucco

*Test and evaluate to ensure adequate adhesion

Typical Physical Properties		
Gun Grade	Zero Slump	
Viscosity	500 cp to 800 cp	Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)
Density	11.94 lbs. per gallon	ASTM D1475
Tack Free Time	30 min +/- 10 min	+/- 5% R.H.
Elongation at Break	900 – 1000%	ASTM D412
Hardness at Shore A	40	ASTM C661
Tensile Strength	250 psi	ASTM D412
Shear Strength	250 – 300 psi	ASTM D1002
Low temp. flex	Pass -15°F (-26°C) 1/4-inch mandrel	ASTM D522
Shrinkage	No visible shrinkage after 14 days	ASTM D522
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Application Guidelines:

Storage

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat, and direct sunlight. Elevated temperatures will reduce shelf life. **Climate Adhesive** will not freeze.

Shelf Life

Two years from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life.

Applications Instructions

Remove all dirt, oil, loose paint, frost, and other contamination from all working surfaces with alcohol. DO NOT USE petroleum solvents such as mineral spirits or xylene. Maintain **Climate Adhesive** at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion. Carefully gun the sealant with a smooth, continuous bead. If tooling is needed, do so within fifteen minutes of application.

Caution

Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eye, immediately flush with water. Call a physician. Please refer to the SDS for first aid information. See www.climateadhesive.com for most current SDS.

KEEP OUT OF REACH OF CHILDREN