

## CLIMATE

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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](http://www.climateadhesive.com) for most current SDS.

KEEP OUT OF REACH OF CHILDREN