

CLIMATE

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## Product Description

**CLIMATE Sealant GP** is an industrial and construction “General Purpose” sealant and adhesive. As a sealant it can be used on small masonry joints and metal seams. When used as an adhesive, it can be used for bonding insulation, roof flashing, tile, interior and exterior trim, shower stalls, windows, and doors.

**CLIMATE Sealant GP** is solvent free, non-flammable, non-toxic, and it can be used in confined spaces. It is moisture curing and can be applied down to 32 degrees F (0 degrees C). It is fast curing and self-fixturing with light architectural components.

**CLIMATE Sealant GP** can be used to seal or repair recreation vehicles, automobiles, boats, and for many light assembly applications. Excellent for most leaky roofs.

## Common Applications

**CLIMATE Sealant GP** is an excellent sealant/adhesive for many Commercial, Industrial, and Construction applications. Such applications include:

- Joint sealant applications
- Trailer and RV manufacturing
- Walk-in freezer manufacturing and installation
- General construction applications
- Industrial manufacturing applications
- Roofing applications
- Panel adhesive
- Window and door installation
- Weather sealing applications
- Landscape adhesive
- Masonry application
- **Can be used for additional applications not listed. CLIMATE recommends testing prior to use.**

## Features and Advantages

- 20-minute skin-over
- Cures to wet substrates without negative effects
- 100% solids, will not shrink
- Resistant to UV degradation and weathering
- Broad adhesion range
- Multi-purpose, sealant, and adhesive applications
- Excellent elongation and long-term physical properties
- Contains no solvents or isocyanates - VOC compliant
- Paintable within 24 hours of application
- Non-slump, use on overhead and vertical applications
- Will cure when water or moisture is present
- Low odor, eco-friendly formulation

## Applicable Performance Standards

- ASTM C920 Class 25, Type S, Grade NS, Use NT, A, M, G
- TT-S-00230-C Type II, Class B
- Conforms to California Proposition 65
- Conforms to USDA Requirements for Non-Food Contact
- Meets Requirements of CARB & SCAQMD
- VOC Compliant (17 grams/liter ASTM D2369)

## Packaging

20 oz sausages

## 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)

# Adhesive/Sealant - GP

Compatible Substrates*
Ceramics
Fiberglass
Glass
Granite
Marble
Aluminum & Galvanized Metal
Wood
Mod-bit, Shingles
EPS or Styrofoam Insulation
Porcelain
PVC & Other Plastics (Test before using)
Porous Surfaces (Concrete, Brick, Etc.)

\*Can be used on additional substrates not listed. Please contact CLIMATE to confirm application or test before use to ensure adhesion.

Typical Physical Properties		
Gun Grade	Results	
Viscosity	950,000 cps	Spindle 7, 4rpm
Skin Formation Time	30 minutes	70°F (21°C), 50% RH
Density	13.8 lbs/gal	ASTM D1475
Hardness	35 (Shore A)	ASTM C661
Modulus 100%	105.879 lbf/in <sup>2</sup>	ASTM D412
Tensile Strength	168.25 lbf/in <sup>2</sup>	ASTM D412
Elongation at Break	300%	ASTM D412
Lap Shear	130.526 lbf/in <sup>2</sup>	ASTM D412
Gun Grade	Non-slump	
QUV Testing	4,000 hours	ASTM G26
Service Temperature	-50°F to 220°F (-45°C to 104°C)	
Cure in Depth after 7 Days	11 mm (70°F (21°C), 50% RH)	

## 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.

### Testing

Test per application requirement. Allow 7 days for maximum strength to develop before testing adhesion or strength.

## Application Instructions

**Surface Preparation** All surfaces should be clean and free of debris. Alcohol can be used to clean the surface, but DO NOT use petroleum-based solvents. Priming is not usually required for applications to nonporous surfaces. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact CLIMATE.

**Application CLIMATE Sealant GP** is ready to use and requires no mixing or additives. Tooling, if necessary, should be done before skinning takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement. High temperature and higher humidity will accelerate skin and cure time. Cold temperatures and low humidity will slow down skin and cure time.

**Clean Up** Wet adhesive can be cleaned with alcohol or ASI 0240 Adhesive Remover & Cleaner. Dry sealant can be removed by abrading or scraping with aid from ASI 0240.

### Limitations

Do not store at elevated temperatures. Use only on clean surfaces free of contaminants. Cold temperature and low humidity will slow curing (32°F (0°C) and below will be most significant)> Do not use on olefins such as polyethylene, polypropylene, or TPO prior to testing. Test all paints before application. Allow treated wood and asphalt to cure 6 months before application. Long-term submersion under water can cause loss of adhesion on some substrates.

### 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