



CLIMATE[®]

SURVIVABLE BUILDINGS

PRODUCT CATALOG





THE COMPANY

Climate was founded with a single purpose: to provide a simple, economical approach to making buildings more survivable in the face of violent weather patterns and seismic events, and with more survivable buildings, reduce the loss of human life.

This approach led to the formulation of an adhesive technology with extraordinary capabilities:
Climate Adhesive/Sealant NS.



Monocoque STRESSED SKIN CONSTRUCTION



The concept of a wood frame construction that can function as an integrated unit and distribute load paths across its surface can be described as “monocoque,” or having a stressed skin design. This design concept is often used in aircraft engineering to create lightweight, super-strong aircraft components. Extensive research and testing have shown that monocoque wood frame structures, assembled with Climate Adhesive NS, widely distribute load paths over the entire exterior surface of a light-frame wood building. Climate NS prevents stress from accumulating at various point-loaded connections which historically lead to structural failure. The exceptional elastic properties of Climate NS allow mechanical forces to laterally dissipate throughout the exterior sheathing of a building and be absorbed by its foundation. Monocoque stressed skin construction using an adhesive binds various elements of a structure together into a single, unified whole.



Extending the Technology

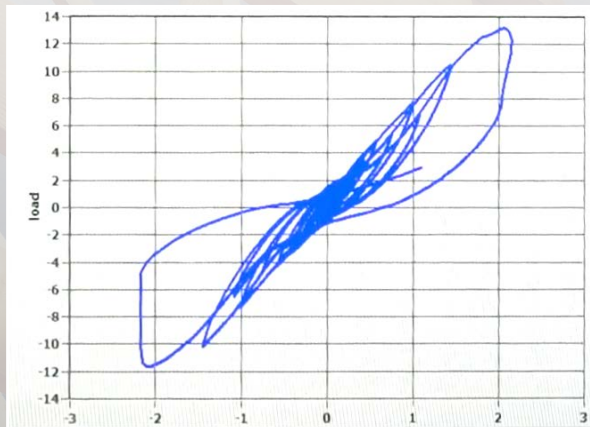
This unique Climate Adhesive/Sealant technology was modified to generate two additional products: Climate GP and Climate SL. Both adhesive/sealants rely on the same chemical backbone but have been adjusted to better fit specific applications. Climate General Purpose “GP” is a lower cost formulation for use in windows and doors as well as landscaping and hardscaping. Climate Self-Leveling “SL” was developed for concrete expansion joints and deep applications in the foundation as well as low-slope roofing. As with Climate NS, both products are exceptional in their performance. They are non-toxic, high-performance, and represent a new approach to creating more long-lasting construction.



THE TESTS

Climate Adhesive/Sealant NS – Non-Slump

More than 90% of residential structures are constructed using nailed, light-frame wood methods. Wind and seismic events have been overwhelming to traditional nailed structures, because over time, nails pull out and never recover, weakening the wood frame structure.



Climate Adhesive/Sealant NS applied to the interfaces between wood framing and sheathing can increase the structural integrity of a home by two to three hundred percent without weakening over time. This is accomplished without deviating from the Uniform Building Code at an estimate cost increase of only 1%.

Houses fully constructed using Climate are capable of withstanding hurricane force winds and F4 seismic events. Extensive testing repeatedly demonstrated that walls built using Climate NS could endure nearly 4 times the force of



walls built with nails only. Wall specimens failed along the sill plate while adhesive bonds remained intact.

Not only is Climate NS strong, but extraordinarily resilient, so it functions as a shock absorber when applied throughout wood frame construction. While Climate NS delivers 300 PSI of shear strength, it can be elongated up to 950% without tearing. In extensive testing, sheathing on frame wall specimens absorbed nearly 14,000 pounds of dynamic stress before failing.

Commitment to Superior Performance

Based in Kalamazoo, Michigan, Climate continues to formulate and test with the aim of creating products that can stand against the forces of nature. Climate is a green company, committed not only to the high performance of its products, but their safety relative to the environment and human health. All products are made in the USA.

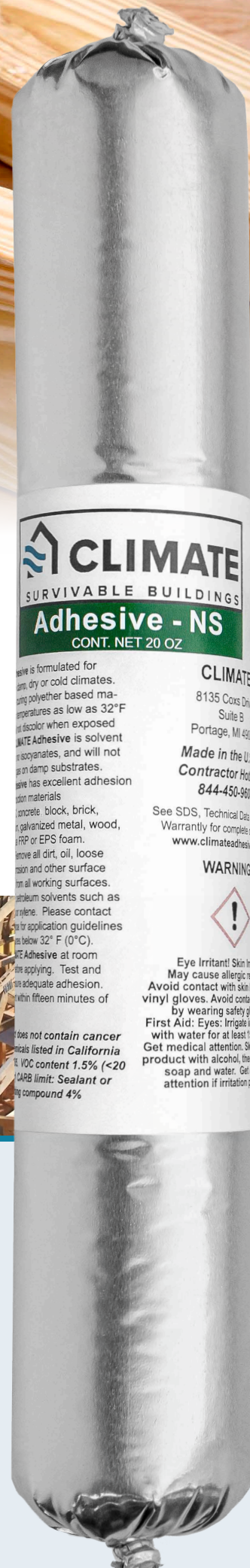
For further information visit climateadhesive.com



CLIMATE ADHESIVE SEALANT NS / NON SLUMP

Applications

Climate NS can be applied throughout the building envelope, wherever there are wood interfaces including subfloor, sheathing on frame, bird mouth joints and rafter connections.



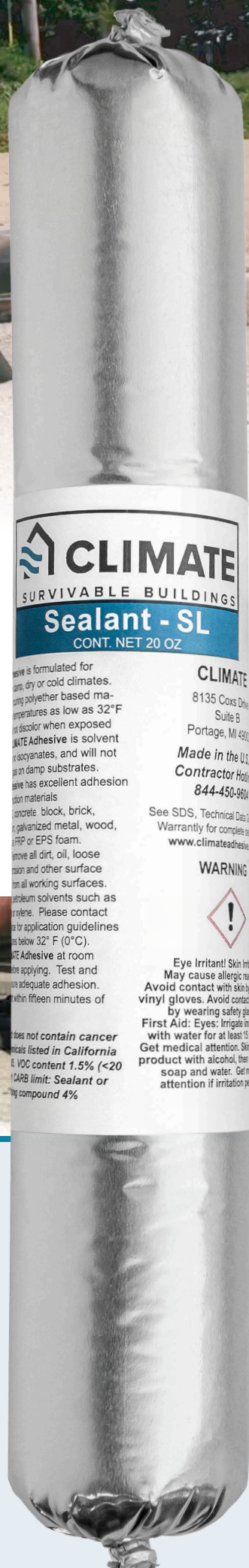
Properties

- Solvent free/non-toxic
- 100% solids, will not shrink
- Non-slump, applies vertically and overhead
- 20-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 Gray
- Packaging - 20 oz. (600 ml) sausage or 12 sausages/case, 12 cases/mini-skid, 60 cases/pallet Green Standards LEED 2.2 for New Construction and Major Renovation

CLIMATE ADHESIVE SEALANT SL/SELF LEVELING

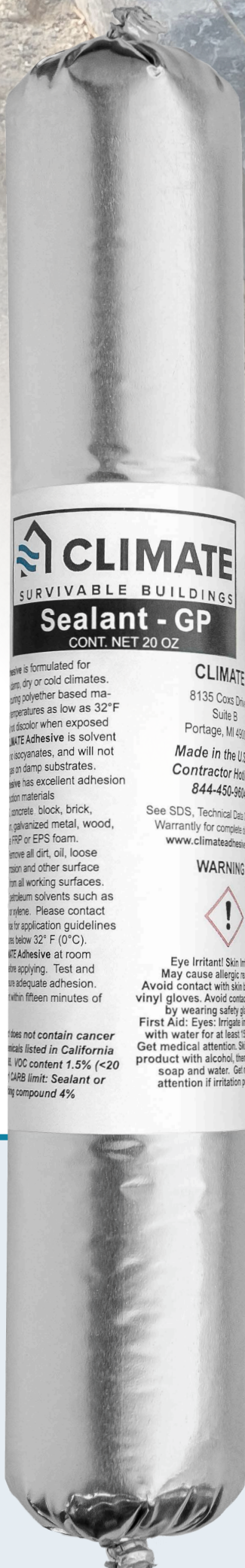
Applications

Climate SL Sealant is a highly elastic, moisture-curing self-leveling sealant designed for horizontal expansion joints as well as joints on concrete, tile, and masonry substrates. It can also be used for deep applications such as roof and foundation penetrations. Climate SL is ideal for conditions with wide temperature variations because it can elongate up to 950% without tearing or breaking and return to its original dimension, making it extraordinarily resilient. 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. Climate SL can be applied at a wide range of temperatures from 100 degrees Fahrenheit down to 32 degrees Fahrenheit.



Properties

- 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 o 12 sausages/carton, 60 cartons/pallet



CLIMATE ADHESIVE SEALANT GP / GENERAL PURPOSE

Applications

Climate GP is a general-purpose adhesive/sealant for a very broad range of industrial and construction applications. As a sealant, it can be used on small masonry joints and metal seams. When applied as an adhesive, it can be used for bonding insulation, roof flashing, tile, interior and exterior trim, shower stalls, windows, and doors. Climate GP can be used to seal or repair recreation vehicles, automobiles, boats, and for many light assembly applications, and is excellent for leaky roofs as well as for landscape and hardscape applications.

Properties

- Solvent-free/non-toxic
- Moisture cure – cures on wet surfaces
- 100% solids - non-shrinking
- Applies down to 32 degrees F
- 20-minute skin-over
- Paintable within 24 hours of application
- Extraordinary resilience – nearly 300% elongation
- Excellent long-term weathering

COMPATIBLE SUBSTRATES

- Ceramics
- Fiberglass
- Glass
- Granite
- Marble
- Aluminum & Galvanized Metal
- Wood
- Mod-bit/shingles
- Insulation
- Porcelain
- PVC & Other Plastics (test before using)
- Porous Surfaces (Concrete, Brick, etc.)

ACCESSORIES



The 20 oz. B-Line Sausage Gun

Climate adhesive/sealants are applied using a B-Line 20oz Sausage Gun with smooth and efficient 12:1 mechanical advantage drive.

The gun offers full-size handle for comfortable, efficient dispensing of standard viscosity materials. It also features, double gripping plate technology for no slipping and longer life and a convenient rotating swivel barrel. Durable sausage pistons prevent bag-wrap. Other models are available for thicker materials.



Once application is complete, Climate sausages leave only a small clip of aluminum foil, eliminating the need to collect and dispose of plastic cartridges.



Nu-Prime Concrete Primer for Climate Adhesive/Sealant

Nu-Prime Concrete is a specialized formulation designed to ensure excellent adhesion of Climate SL to concrete surfaces and joints. Nu-Prime Concrete is available with and without UV indicator that gives applicators a visual indication of primed surface under black light.

GreenLink Adhesive/Sealant

An all-purpose, moisture-curing polyether adhesive that bonds to most construction materials including Kynar. Solvent-free, non-toxic.





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