



# GreatSeal LF-500 Liquid Flashing

## Product Description:

GreatSeal LF-500 is a high performance sealant designed for use as a liquid flashing. LF-500 provides a long lasting weather tight seal to a variety of building substrates. LF-500 is a single component unique polymer that will bond to damp surfaces and has excellent weathering properties for a long lasting seal. LF-500 Liquid Flashing can be applied with a brush or trowel when using it as a flashing/repair product.

## Basic Use:

GreatSeal LF-500 is a versatile polyether sealant for use on roofing substrates of all types, it can re-line and repair gutters, it can also be used to repair flashings, vents, and penetrations. LF-500 can be used to flash or repair doors & windows openings and more. It can be applied on a damp surface and in cool weather. It bonds aggressively to exterior gypsum sheathing, OSB, wood, SBS Modified Bitumen, cured asphalt, EPDM, PVC & PIB, foam insulation, vinyl, fiberglass, glass, painted, galvanized and anodized metals.

## Limitations:

Surface may be damp but no frost or dirt/debris that would prevent adhesion. Some surfaces may require a primer.

## Compliances:

GreatSeal LF-500 complies to the following standards:

- ASTM C-920, Type S, Grade P, use NT, M, G, A, and O
- Fed Specification TT-S- 230-C Type II, Class A
- Corps of Engineers CRD-C-541, Type II Class A
- Canadian Standards Board CAN 19, 13-M82

## Packaging:

20 oz. sausages  
12 pack case/ 60 cases pallet  
1 gallon pail  
2 gallon pail

## Storage:

Store in original, unopened containers in a cool, dry area. Protect unopened containers from heat and direct sunshine. Storing at elevated temperatures will reduce shelf life.

## Technical Data:

Property	Results
Specific Gravity	1.45 (11.9-12.3LBS/ Gal)
Viscosity	165,000+/- 50,000 CPS Brookfield RVF, TF spindle, 4 RPM
Odor	Mild Ester smell

Elongation	200-250% ASTM D-0412
Hardness	30 – 34 ASTM C-0661
Service Temp	Minus 40°F to 200°F
Shrinkage	none
Slump (sag)	Semi Self Leveling
Shelf Life	One Year for sausages, 6 months for pails
Tack Free Time	Approx 30 minutes ASTM C-0679
Tensile Strength	250+/-50 psi
Solvents	None
VOC	18.26 gr/liter
Prop 65 content	none

## Ext. Gypsum Sheathing:

GreatSeal LF-500 Liquid Flashing is fast setting and develops most of its properties within forty-five minutes after application. All Sheathing shall be clean, sound and dry prior to the application of the sealant. Remove all dirt, oil, loose paint, frost, and other contamination from sheathing prior to application. All coatings and paints shall be removed (or tested for compatibility) to ensure proper adhesion.

## Metal:

All Metal shall be prepared in a manner to ensure maximum adhesion\*. Remove all rust, scale and residue by wire brushing to a bright metal. Protective films, coatings, and oils shall be removed with an appropriate solvent such as MEK (methyl-ethyl ketone). Certain protective coatings that can not be removed may require the use of a primer prior to application of the sealant.

*\*It is recommended that coated substrates be tested for adhesion prior to commencing the project. Please contact Technical Services for recommendations and specific application guidelines.*

## Concrete:

Concrete and masonry substrates shall be fully cured and dry prior to the application of the sealant. Remove any contamination by mechanical abrasion or sand blasting.

## Wood/ OSB:

Wood/OSB shall be clean, sound and dry prior to the application of the sealant. Treated wood shall be dry and allowed to weather for 6 months. All coatings and paints shall be removed (or tested for compatibility) to ensure a proper bond.



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## **Application:**

GreatSeal LF-500 is a one component ready to use material that requires no mixing or preparation. The product can be applied with a brush or trowel when using it as a flashing/repair product. Brush out to the desired thickness and smooth as desired. Apply when temperatures are above 40 degrees F and inclement weather is not predicted. Gun or brush the material onto the area desired and smooth as needed. GreatSeal LF-500 may be applied in single or multiple layers to achieve desired result. For smoothing, use a smooth edged putty knife or trowel.

## **Clean-Up:**

Wet sealant may be cleaned up or removed using a solvent such as xylene. Ensure to wear the proper protective clothing and eye protection when working with solvents. Cured GreatSeal LF-500 may be removed by abrading or scraping the material from the substrate.

## **Curing**

GreatSeal LF-500 typically skins within 45 minutes and cures through in 3 to 7 days depending upon the temperature and humidity. Lower temperatures and lower humidity prolong the cure times of the GreatSeal LF-500 material.

## **Health and Safety Caution:**

Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician. Avoid prolonged contact with skin.

## **Warranty**

This product is manufactured of good materials and by competent workmen. Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.

STS COATINGS, INC.  
347 Hwy 289, Comfort, TX 78013  
(830)995-5177 Phone (830)995-5705 Fax  
[www.stscoatings.com](http://www.stscoatings.com)