



GreatSeal LT-100 Liquid Tape

Product Description

GreatSeal LT-100 Liquid Tape is a polyether based, moisture curing, elastomeric, seam sealer. It forms a seamless, monolithic exterior working surface that will keep the structure water-tight until an air barrier system is applied. Its distinctive blue color allows easy visual verification that all seams and gaps have been effectively sealed from wind and rain.

Basic Use

GreatSeal LT-100 Liquid Tape is for use on exterior gypsum board sheathing, extruded polystyrene, EPS, fiber-board and plywood construction materials. It is installed prior to applying an air barrier coating. It can be left exposed for up to 6 months.

The incorporation of LT-100 into the project allows compliance to International Energy Conservation Code (IECC) mandatory requirements to seal the building envelope (seal all joints between construction material) (Section 502.4.3), mandatory Air Leakage control (Section 502.4) and mandatory Moisture Control (Section 502.5).

Limitations

Surface must be hand dry. Apply at temperatures between 40°F and 120°F. It must be applied before the air barrier coating. Do not apply over an air barrier coating or other functional coating without first testing adhesion.

Surface Preparation

All surfaces to be sealed must be clean and dry.

Application

GreatSeal LT-100 Liquid Tape is very fast setting and develops most of its properties within forty-five minutes after application. The compound is applied in a 1/4" bead. It is then tooled to 3/4" by 1/16" cap seal that becomes tack free in twenty minutes. It cures to a firm rubber seal in one hour. For best finishing performance do not allow un-tooled beads to stand for more than ten minutes.

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 LT-100 may be removed by abrading or scraping the material from the substrate.

Coverage

One quart tube covers 80 to 100 lineal feet.

Packaging

Quart tubes (28 oz), 12 tubes to carton
Carton: 22 lbs

Technical Data

Viscosity	Non-slump, gun grade mastic 750,000 cps @ 72°F	
Skin Over Time	25 minutes. @ 72°F 40% RH	
Set time (60mil film)	1 hour @ 72°F 40% RH	
Appearance	lightly textured, distinctive blue color	
Density	Specific gravity = 1.1 or (8.0#/gal)	
Durometer	27 Shore A	
Odor	Mild mint ester	
VOC	15.7 gr/liter	
Solids	100%	
Exposure	6 months	
Packaging	Quart tubes, 12 tubes/carton	
Hardness	27 Shore A	ASTM D2240
Tensile	160 psi	ASTM D412/C1135
Tensile @ 50% Elongation	75 psi	ASTM C1184
Tensile @ 100% Elongation	115 psi	ASTM C1184
Elongation	200%	ASTM D412/C1135
Tear Strength	3.4# (type T)	ASTM D624
Shear Strength	140 psi	ASTM C961
Peel Strength 1	3.75 pli	ASTM C794
Peel Strength 2	4.5 pli	ASTM C794
Joint Movement Capability	12.5%	ASTM C719

Standard Specification for Elastomeric Joint Sealants ASTM C290 Classification: Type S, Grade NS, Class 12.5, Use O

Technical Services

Technical advice on use of material for specific application and end use requirements is available from the manufacturer. Material Safety Data Sheet (MSDS) should be consulted for further information. This product is for industrial and professional use only.

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 installing, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.