



# GreatSeal LT-100 LIQUID TAPE

**Polyether Based,  
Moisture Curing, Elastomeric,  
Vertical Seam Sealer**

## Key Properties

- Compatible with Foam Board and Exterior Gypsum Sheathing
- No Voc's
- No Solvents

## Description

**GreatSeal LT-100 LIQUID TAPE** is a polyether based, moisture curing, elastomeric, vertical seam sealer. It forms a seamless, monolithic exterior working surface that will keep the structure watertight. Its distinctive blue color allows for quick & easy visual verification that all seams and gaps have been effectively sealed from wind and rain.

**GreatSeal LT-100 LIQUID TAPE** is a non-shrinking, 100% solids, moisture-cure polymer and contains no solvents or VOC's. It skins in one hour, cures completely in three to seven days (cure rate varies with temperature and relative humidity) and is paintable within 24 hours.

## Uses

**GreatSeal LT-100 LIQUID TAPE** is for use on ASTM C 1177 exterior gypsum sheathing (Dens Glass Gold®), Foamular®, Styrofoam®, EPS, fiber-board and plywood construction materials. It can be left exposed for up to 6 months. It is compatible with asphaltic materials. **LT-100** is also recommended for use as a liquid term bar with copper flashings and in that application can be applied over the air barrier coatings and is also appropriate for use with masonry back-up walls.

**GreatSeal LT-100 LIQUID TAPE** incorporated 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).

## Technical Data

- Elongation ASTM D412/C1135 200%
- 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# / gallon)
- Durometer: 27 Shore A
- Odor: mild mint ester
- VOCs: 0%, zero
- Solids: 100%
- Exposure: 6 months
- Packaging: Quart tubes only, 12 tubes to a carton, 1 nozzle per carton

## Application:

Surface must be hand dry. Apply at temperatures between 40°F and 120°F and below 80% relative humidity. If applying an air barrier coating, **LT-100** must be applied before the air barrier coating. Do not apply over an air barrier coating. **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 with the **LT-100** nozzle to form a 3/4" by 1/16" cap seal in one step that becomes tack free in twenty minutes. Or, the compound is applied in a 1/4" bead and hand-tooled to a 3/4" by 1/16" cap seal. It cures to a firm elastomeric rubber seal in one hour. For best finishing performance do not allow un-tooled beads to stand for more than ten minutes.

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Since 1935



The Dow Chemical Company  
1100 Rosehill Road  
Reynoldsburg, Ohio 43068  
(614) 863-4913

October 10, 2006

Cayce Kovacs  
STS Coatings, Inc.  
Comfort, TX 78013

Re: Compatibility Testing of STS Products

Dear Ms. Kovacs,  
I have completed my evaluation of the compatibility of the STS products you provided with Dow STYROFOAM\* brand Insulation (extruded polystyrene foam), THERMAX brand Polyisocyanurate Foam (foil-faced) and HY-THERM brand Polyisocyanurate Foam (felt facer).

The products provided by STS were GreatSeal PE-150 and GreatSeal LT-100 Liquid Tape. These products are compatible with the Dow products referenced above. Excellent adhesion was noted between the STS and Dow products.

Both GreatSeal PE-150 and GreatSeal LT-100 Liquid Tape are approved for use with all of the Dow products noted above. Please call if you have any questions.

Best regards,

Mike Ennis  
Application Technology Leader  
The Dow Chemical Company  
(614) 863-4913  
[mjenis@dow.com](mailto:mjenis@dow.com)

\* - Trademark of The Dow Chemical Company

Both **GreatSeal PE-150** and **GreatSeal LT-100 LIQUID TAPE** are approved for use with all of the Dow products noted above.



**OWENS CORNING**  
170 South Avenue  
Tallmadge, Ohio 44278

May 21, 2007

Cayce Kovacs  
STS Coatings, Inc.  
Comfort, TX 78013

Re: GreatSeal PE-150 and GreatSeal LT100 product approvals.

Dear Cayce,

I have evaluated the compatibility of the STS GreatSeal PE-150 and GreatSeal LT-100 products in use with Owens Corning Foamular XPS (extruded polystyrene) insulation products.

The above STS products are compatible with the Owens Corning Foamular XPS products.

Both GreatSeal PE-150 and GreatSeal LT-100 Liquid Tape are approved for use with all of the Owens Corning Foamular XPS products.

Please note that our Foamular products are listed in the Building Materials Directory of Underwriters Laboratories, Inc. Also, to assist building officials in confirming compliance of our products with building codes, we subscribe to UL's Factory Inspection and Follow-Up Services. We include a copy of our Classification Certificate U197 with each shipment.

Sincerely,

Lynn Harold DeWitt  
Foamular Product Technical Leader  
Owens Corning

Both **GreatSeal PE-150** and **GreatSeal LT-100 LIQUID TAPE** are approved for use with all of the Owens Corning Foamular XPS products.

