



LIQUIDARMOR™ LT FLASHING AND SEALANT

1. PRODUCT NAME

LIQUIDARMOR™ LT Flashing and Sealant

2. MANUFACTURER

Dow Building Solutions
200 Larkin Center,
1605 Joseph Drive
Midland, MI 48674
1-866-583-BLUE (2583)

3. PRODUCT DESCRIPTION

Basic Use

LIQUIDARMOR™ LT Flashing and Sealant is a low temperature application, durable, flexible single component silicone flashing. This fluid applied flashing solution is designed to provide commercial buildings with advanced moisture and air sealing protection. It is trowel applied after either dispensing from a sausage gun or directly from a pail. LIQUIDARMOR™ LT forms tight, seamless barriers along the rough openings of windows and doors as well as insulation board joints. Compatible with Dow Building Solutions commercial wall systems and foam insulation products, LIQUIDARMOR™ LT is formulated as a cold-weather alternative to LIQUIDARMOR™ CM allowing application as low as -20 F.

LIQUIDARMOR™ LT features a long tooling time to facilitate workflow of prepping a whole window opening. LIQUIDARMOR™ is also designed to have a high abrasion resistance and durability to resist damage during window and door installation.

LIQUIDARMOR™ LT seals gaps up to a quarter inch wide and offers a reliable replacement to peel and stick flashing tapes as well as liquid flashing products that must be used in conjunction with mesh. No measuring, cutting and folding is required with LIQUIDARMOR™ LT Flashing and Sealant.

LIQUIDARMOR™ LT works on a wide range of surfaces without primer, including foam boards, steel studs, fiberglass faced

gypsum board and concrete masonry units. The moisture cured, fluid flashing solution seals around screws and veneer anchors, resulting in a durable and resilient barrier suited to withstand jobsite variations. Once LIQUIDARMOR™ LT is applied at board joints and penetrations, it forms part of a continuous air and moisture barrier per Dow's commercial wall systems.

Limitations

Surface and ambient temperatures should be -20° F and rising and below 120° F during application. LIQUIDARMOR™ LT Flashing and Sealant tolerates rain within 15 minutes of installation; however, do not apply to surfaces with standing water, frost, or that are continuously immersed in water.

LIQUIDARMOR™ LT should not be applied:

- In structural applications
- In totally confined spaces because the sealant requires moisture to cure
- To surfaces in direct or indirect contact with food

4. TECHNICAL DATA

Applicable Standards

LIQUIDARMOR™ LT Flashing and Sealant was designed to comply with the following standards listed in codes when used in Dow commercial wall systems:

- ASTM E331: Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference.
- ASTM E2357: Standard Test Method for Determining Air Leakage of Air Barrier Assemblies.

Contact your Dow sales representative for specific details. Contact your Dow sales representative or local authorities for state/provincial and local building code requirements and related acceptances.

PHYSICAL PROPERTIES

LIQUIDARMOR™ LT exhibits typical properties and characteristics indicated in Tables 1 and 2 when tested as represented.

Table 1: LIQUID PROPERTIES

Form	Gray, trowel applied flashing & sealant
Volatile Organic Compounds (VOC)	52 g/L
Specific Gravity	1.6
Shelf Life	12 months
Working Time (ASTM C98)	30 min

Table 2: TYPICAL CURED PROPERTIES

Durometer Hardness, Shore A (ASTM C661)	40 points
Tensile Strength, ASTM D412	210 psi
Elongation at Break, ASTM D412	270%
Water Vapor Transmission @~ 28 dry mils (ASTM E96, Procedure B)	3.1
Pull Adhesion to THERMAX™, Gypsum Based Sheathing, Plywood, OSB, metals (ASTM D4541)	> 16 psi

5. INSTALLATION

Preparation

- Read all safety information and conditions of use before applying product.
- To facilitate best results, apply to clean surfaces free of contaminants.
- Remove and replace damaged sheathing.
- Fill any gaps that are greater than ¼" wide with backer rod, apply a bead of LIQUIDARMOR LT Flashing and Sealant and tool it before applying the LIQUIDARMOR LT to the broader wall.

Equipment

LIQUIDARMOR™ LT Flashing and Sealant can be applied using a standard construction sausage gun designed for 20 oz sausages. Either a standard conical nozzle or fan nozzle can be used to lay down a wide bead of LIQUIDARMOR™ LT on the substrate. A troweling tool is then used to evenly distribute the flashing over the desired area. Alternatively, LIQUIDARMOR™ LT can be removed from a pail and directly trowel-applied over substrates.

Instructions

- Trowel LIQUIDARMOR™ LT to a 30 +/- 5 wet mils thickness at all locations. Trowel LIQUIDARMOR™ LT to min 1" wide on board joints. Cover the rough opening per flashing design details, applying the LIQUIDARMOR™ LT a minimum of 3 inches onto the sheathing face completely covering the sheathing board edge. The LIQUIDARMOR™ LT should extend a minimum of 3 inches back onto the rough opening substrate or 1 inch behind where primary air and water seal is to be installed, whichever is greater. When counterflashing or flashing around penetrations,

LIQUIDARMOR™ LT should extend a minimum of 2 inches onto the sheathing face and a minimum of 2 inches onto the penetration substrate or primary flashing substrate.

- After application, ensure a consistent film thickness and visually inspect for missed spots.
- If there are missed spots, trowel apply more LIQUIDARMOR™ LT to those areas.
- Allow LIQUIDARMOR™ LT Flashing and Sealant to "dry-to-touch." LIQUIDARMOR™ LT typically skins over in 30 – 45 minutes.
- In rough opening areas, install window and doors per the manufacturer's instructions.

6. SAFETY AND CONDITIONS OF USE

- As with any construction site, follow basic safety practices.
- Read the label and Safety Data Sheet carefully before use.
- Wear eye protection, either safety glasses with side shields or goggles.
- Wear protective gloves.

7. AVAILABILITY

LIQUIDARMOR™ LT Flashing and Sealant is available in 2 gallon pails and 20 oz sausages at select locations.

8. WARRANTY

When used per Dow's recommended installation, Dow hereby warrants that the product will be free of defects in material and perform to Dow's published physical property specification at the time of purchase so long as the product is within best-use date as stated on product label, and the product is applied per product literature. All recommendations or suggestions for use are made without guarantee. Dow recommends that customers inspect ambient and substrate conditions, and test product before use

to determine content and suitability for their specific use. In no event shall Dow be liable for any other costs or damages, including labor.

LIMITATIONS

THESE WARRANTIES ARE IN LIEU OF ALL OTHER GUARANTEES AND WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT BE EXTENDED OR ALTERED EXCEPT BY WRITTEN INSTRUMENT SIGNED BY DOW AND THE OWNER. THERE ARE NO WARRANTIES OR GUARANTEES THAT EXTEND BEYOND THE DESCRIPTION SET FORTH IN THESE WARRANTIES.

Dow does not warrant the compatibility of any other product (including but not limited to any roofing membrane or coatings) with the warranted products, and does not assume any liability for any incidental, consequential, exemplary, special or punitive damages, including (but not limited to) incremental heating, cooling or similar costs and any other harm to persons or property.

9. MAINTENANCE

Not applicable.

10. TECHNICAL SERVICES

Dow can provide technical, building science information to help address questions when using LIQUIDARMOR™ LT. For technical assistance, call your local Dow Sales representative.

Dow Building Solutions

200 Larkin Center,
1501 Larkin Center Drive
Midland, MI 48674

Technical Information

1-866-583-BLUE (2583)

Sales Information

1-800-232-2436

dowbuildingsolutions.com

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COMBUSTIBLE: THERMAX™ products should be used only in strict accordance with product application instructions.

THERMAX™ products, when used in a building containing combustible materials, may contribute to the spread of fire. For more information, consult (M)SDS and/or call Dow at 1-866-583-BLUE (2583). In an emergency, call 1-989-636-4400.

WARNING: THERMAX™ insulation does not constitute a working walkable surface or qualify as a fall protection product.

STYROFOAM™ Brand Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read the instructions and Safety Data Sheets carefully before use. Wear protective clothing, gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter is required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. Provide adequate ventilation. Contents under pressure. STYROFOAM™ Brand SPF should be installed by a trained SPF applicator. Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

LIQUIDARMOR™ Read the instructions and (Material) Safety Data Sheets (M)SDS carefully before use. It is recommended that spray applicators and those working in the spray area wear eye protection. Contact with exposed skin may cause skin discoloration and dryness. Gloves are recommended for prolonged exposures. Ensure adequate ventilation during spray applications.