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 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

LIQUIDARMOR™ LT FLASHING AND SEALANT

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

<table>
<thead>
<tr>
<th>Table 1: LIQUID PROPERTIES</th>
<th>Form</th>
<th>Gray, trowel applied flashing &amp; sealant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>52 g/L</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.6</td>
<td></td>
</tr>
<tr>
<td>Shelf Life</td>
<td>12 months</td>
<td></td>
</tr>
<tr>
<td>Working Time (ASTM C98)</td>
<td>30 min</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table 2: TYPICAL CURED PROPERTIES</th>
<th>Durometer Hardness, Shore A (ASTM C661)</th>
<th>40 points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength, ASTM D412</td>
<td>210 psi</td>
<td></td>
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<tr>
<td>Elongation at Break, ASTM D412</td>
<td>270%</td>
<td></td>
</tr>
<tr>
<td>Water Vapor Transmission @~28 dry mils (ASTM E96, Procedure B)</td>
<td>3.1</td>
<td></td>
</tr>
<tr>
<td>Pull Adhesion to THERMAX®, Gypsum Based Sheathing, Plywood, OSB, metals (ASTM D4541)</td>
<td>&gt; 16 psi</td>
<td></td>
</tr>
</tbody>
</table>

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.
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 trowel 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.

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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.

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Dow Building Solutions
200 Larkin Center, 1501 Larkin Center Drive
Midland, MI 48674

dowbuildingsolutions.com

Technical Information
1-866-583-BLUE (2583)
Sales Information
1-800-232-2436

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COMBUSTIBLE: THERMAX™ products should be used only in strict accordance with product application instructions. THERMAX™ insulations do 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. Sprayed air is toxic and includes isocyanate and polyol. Protect the respiratory system with a respirator equipped with a particulate filter certified to NIOSH by the manufacturer. Do not use in confined spaces. Contact Dow or your supplier for additional information. Dow assumes no liability for the inclusion of any information or recommendations expressed in this literature. Dow makes no representations or warranties, either express or implied, including, without limitation, that the information contained herein is accurate, complete or timely.

LIQUIDARMOR® Read the instructions and (Material) Safety Data Sheets (MSDS) 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.

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