# Installation Procedures for DuPont™ LiquidArmor™ LT Flashing and Sealant

## SYSTEM OVERVIEW

### Description

DuPont™ LiquidArmor™ LT Liquid Flashing and Sealant is an innovative, abrasion resistant, liquid flashing solution designed to provide commercial buildings advanced moisture and air sealing protection. When LiquidArmor™ LT is used in combination with DuPont Commercial Wall Systems, it can decrease labor on the job. LiquidArmor™ LT is trowel applied after dispensing from a sausage gun or small pail. It can be applied at temperatures as low as -20°F.

### Sizes

LiquidArmor™ LT Flashing and Sealant is available in 20 oz (2.2 lb) sausages and 2 gallon (~ 20 lbs) pails. See Table 1 for the theoretical yield per sausage and pail at the recommended 30 +/- 5 wet mil application thickness.

## EQUIPMENT GUIDELINES

### Sausage Gun Selection

**DuPont™ 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 laying down a wide bead of **LiquidArmor™ LT** on the substrate can be used. 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.

### Wet Mill Gauge

A wet mil gauge will help ensure **LiquidArmor™ LT Flashing and Sealant** is applied at 30 +/- 5 wet mils, optimizing product yields and product performance.

**TABLE 1: LiquidArmor™ LT Flashing and Sealant Theoretical Yield**

| | 20 oz Sausage | 2 gallon Pail |
|---|---|---|
| Application Width (inches) | Theoretical Yield at 30 mil wet (linear feet) | Theoretical Yield at 30 mil wet (linear feet) |
| 1 | 105 | 1120 |
| 2 | 53 | 560 |
| 3 | 35 | 373 |
| 4 | 26 | 280 |
| 6 | 18 | 187 |
| 8 | 13 | 140 |

## INSTALLATION INSTRUCTIONS

### Safety and Conditions of Use

1. *Before you begin applying **LiquidArmor™ LT Flashing and Sealant**, prepare the jobsite.*

- As with any construction site, follow basic safety practices, reading and following all equipment and SDS instructions.
- **LiquidArmor™ LT** does not pose a respiratory hazard. Protective gloves must be worn to avoid potential skin irritation. Always wear safety glasses with side shields or goggles.
- Check current outdoor temperatures and forecasted weather for the day. Surface and ambient temperatures should be -20°F and rising and below 120°F during the application of **LiquidArmor™ LT.** Do not apply the product on surfaces with standing water or frost. **LiquidArmor™ LT** can tolerate rain within 15 minutes of application.

### Surface Preparation

2. *Check & Prepare All Installation Surfaces*

- **LiquidArmor™ LT Flashing and Sealant** can span gaps up to ¼". Seal any gaps ¼"or greater with **DuPont™ Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant, Great Stuff Pro™ Window & Door Polyurethane Foam Sealant** or foam backer rod.
- If either **Great Stuff Pro™ Gaps & Crack or Great Stuff Pro™ Window & Door** is used, be sure it is fully cured before applying **LiquidArmor™ LT.**
- Note that **LiquidArmor™ LT** is designed to span nonmoving joints (joints that move < 15%). If more movement is needed, consider traditional expansion joint treatments or contact your local DuPont representative for suggestions.

## Application

3. *Flash Foam Board Joints, Penetrations, Rough Openings and/ or Counterflash*

- Flash board joints, penetrations and/ or fenestration openings as detailed by the project drawings by applying **DuPont™ LiquidArmor™ LT Flashing and Sealant** from either a sausage gun or directly from a pail onto the substrate. Trowel **LiquidArmor™ LT** to 30 ±5 wet mils. **LiquidArmor™ LT** has an average tooling time of 30 minutes.
- Be sure to follow project drawing details. **LiquidArmor™ LT** is a critical component of the building envelope. Proper installation is required for the flashing to protect the building from air infiltration and water penetration as well as meet all code requirements.

**Foam Board Joints**

Apply a minimum of 1 inch over the joint, making sure that a minimum of 1/2 inch of **LiquidArmor™ LT Flashing and Sealant** covers each side of the joint. Fasteners and washers along the board joints should also be completely covered with **LiquidArmor™ LT**. When covering fasteners and washers, extend the **LiquidArmor™ LT** 1 inch onto the substrate from the outer edge of the washer. Brick anchors can installed after the application of **LiquidArmor™ LT.**

**Rough Openings**

Extend **LiquidArmor™ LT Flashing and Sealant** a minimum of 3 inches onto the sheathing face, completely covering the sheathing board edge. Then, extend **LiquidArmor™ LT** a minimum of 3 inches back onto the rough opening substrate or 1 inch behind where the primary air and water seal is to be installed, whichever is greater.

**Penetrations & Counterflashing**

Apply **LiquidArmor™ LT** a minimum of 2 inches onto the sheathing face and a minimum of 2 inches onto the penetration substrate or primary flashing substrate.

## Inspection

4. *Inspect work shortly after **LiquidArmor™ LT Flashing and Sealant** is applied.*

**Thickness Check**

Use a wet mil thickness gauge to ensure proper installation thickness. Use a trowel to even out the **LiquidArmor™ LT** application thickness. If product is consistently below minimum thickness, apply more material.

**Missed Spots & Fastener Washer Coverage**

Check for missed spots along board joints, penetrations and rough openings. Inspect that fasteners and brick ties, where required to be covered, are completely covered with **LiquidArmor™ LT**. Re-spray, touch up using a trowel on more, if needed.

## Curing

5. *Allow product to cure.*

**LiquidArmor™ LT Flashing and Sealant** is a moisture cure product and will skin over in 30-45 minutes. This time can be extended to ~60 minutes at colder temperatures. **LiquidArmor™ LT** only needs to cure for 15 minutes before rain exposure.

6. *Inspect work after **LiquidArmor™ LT Flashing and Sealant** is cured.*

- At 30 ±5 wet mils, **LiquidArmor™ LT** will cure to a dry thickness of approximately 20 mils.
- Again, check for missed spots and areas where the product may have been applied too thin. While very rare, note any pinholes found in the **LiquidArmor™ LT**. If any of these items are found, repair by applying more **LiquidArmor™ LT**.
- **LiquidArmor™ LT** can be easily wiped off most plastic troweling tools and friction cleans without cleanser from metal tools. Note that **LiquidArmor™ LT** will adhere well to clothing, work boots and gloves. Contaminated clothing must not be allowed out of the workplace.
  Exposure & Storage Information

## Exposure & Storage Information

7. ***LiquidArmor™ LT Flashing and Sealant** can remain exposed to sunlight with no exterior cladding for 6 months.*

- Unused **LiquidArmor™ LT** can be stored for up to 12 months when in unopened sausage or pail. Opened pails can be tightly recapped, preferable with plastic laid over the remaining material for use the next day. Opened sausages can be remain in the sausage gun and used the next day. Simply dispense and dispose of the cured material at the end of the nozzle.
- Opened pails and sausages have a limited shelf life as they will begin to cure. Dispose of cured materials according to local laws.

**For more information visit us at**
**building.dupont.com**
**or call 1-833-338-7668**

**NOTICE:** No freedom from any patent owned by DuPont or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries or regions. DuPont assumes no obligation or liability for the information in this document. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DUPONT. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. The buyer assumes all risks as to the use of the material. Buyer's exclusive remedy or any claim (including without limitations, negligence, strict liability, or tort) shall be limited to the refund of the purchase price of the material. Failure to strictly adhere to any recommended procedures shall release DuPont Specialty Products USA, LLC or its affiliates, of all liability with respect to the materials or the use thereof. The information herein is not intended for use by non-professional designers, applicators or other persons who do not purchase or utilize this product in the normal course of their business.

**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 call the DuPont Contact Center at 1-833-338-7668 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

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

**CAUTION:** When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240ºF (116ºC). For more information call the DuPont Contact Center at 1-833-338-7668 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

DuPont™ 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

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, ℠ or ®
are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2025 DuPont. All rights reserved.

43-D100141-enUS-1125 CDP