



DuPont™ LiquidArmor™ RS Flashing and Sealant

Liquid Flashing Solution for Residential Applications

FEATURES/BENEFITS

Description

DuPont™ LiquidArmor™ RS Flashing and Sealant is a sprayable, waterborne coating to be used around the rough openings of windows and doors and over window flanges on residential homes that delivers better performance, higher reliability, easier application and lower installation cost than incumbent products (i.e., butyl flashing tapes or plastic sill pans).

LiquidArmor™ RS dries to form a tight, seamless barrier around the window. It self-seals around nails, forming a tight, seamless barrier against water and air leakage. If an airless paint sprayer is not available, the coating can be brushed or rolled, etc. The sprayable formulation is also engineered to penetrate and seal hard-to-reach gaps.

LiquidArmor™ RS offers exceptional adhesion to oriented strand board (OSB), plywood, extruded polystyrene (XPS), housewrap, Great Stuff Pro™ Window & Door Polyurethane Foam Sealant,* and acrylic caulk, among other substrates. Once cured, it is extremely durable, withstanding jobsite conditions and

weathering when applied around the rough opening of a window or over the top of the nail flange of windows.

Ease of Use

LiquidArmor™ RS Flashing and Sealant is easy to handle and apply. Some benefits include:

- Application range: 35°–120° F
- One step (no mesh required)
- Tolerates freeze-thaw
- Tolerates heat-age
- Rain-resistant
- Extremely durable

Available Sizes

LiquidArmor™ RS Flashing and Sealant is available in 5-gallon pails at select locations.

PROPERTIES

DuPont™ LiquidArmor™ RS Flashing and Sealant exhibits typical properties and characteristics indicated in Table 1 when tested as represented. Please contact DuPont at 1-866-583-2583 when additional guidance is required for writing specifications that include this product.

TABLE 1: Typical Properties for LiquidArmor™ RS Flashing and Sealant

Appearance	Solid
Solids, %	100
FViscosity (cps/mPa*s) (@ 127°C, no.28 Spindle, 10 rpm)	11,000 nominal
Density	9.2 (lb/gal)/1.1 (g/cm³)

*Consult label and MSDS carefully before use.

INSTALLATION

Use Conditions

- Surface and ambient temperatures should be 35°F and rising and below 120°F during application. **DuPont™ LiquidArmor™ RS Flashing and Sealant** tolerates rain shortly after installation. However, do not apply to surfaces with standing water or frost.
- Use safety glasses with side shields.
- Cover exposed skin and wear gloves while using a sprayer.
- Ensure adequate ventilation during spray applications.
- Follow all spray equipment instructions and warnings.
- As with any construction site, follow basic safety practices.

Preparation

- To facilitate best results, apply to clean surfaces free of contaminants.
- Remove and replace damaged sheathing.
- If necessary, just before spraying **LiquidArmor™ RS Flashing and Sealant**, treat any gaps that are greater than ¼" wide with **Great Stuff Pro™ Window & Door Polyurethane Foam Sealant** or acrylic caulk.

Application

- Allow 10 to 20 minutes for **Great Stuff Pro™ Window & Door Polyurethane Foam Sealant** or acrylic caulk to skin over, then spray **LiquidArmor™ RS Flashing and Sealant** (50 ±5 wet mils) inside the rough opening of the window and onto the face of the sheathing by 6."

- After spraying **LiquidArmor™ RS Flashing and Sealant**, ensure consistent film thickness of the coating and visually inspect for missed spots around the window frame.
- If there are missed spots, a brush can be used to smooth the coating and fill any voids around the rough opening of the window.
- Allow **LiquidArmor™ RS Flashing and Sealant** to "dry-to-touch." Depending on humidity, temperature, sun exposure and wind direction, minimum 1 to 4 hours or overnight may be needed.
- Insert the window per manufacturer's instructions.

Equipment

Recommended Airless Paint Sprayer: Graco TexSpray Mark IV

- Max GPM: 1.1
- Max PSI: 3,300
- Motor: 2.2 hp

Recommended Spray Tip: Graco XHD325

- Use a RAC X 521 tip for wider fan width used on larger windows.

TESTING

Applicable Standards

DuPont™ LiquidArmor™ RS Flashing and Sealant complies with the following standards listed in the codes:

- ASTM D903, "Standard Test Method for Peel or Stripping Strength of Adhesive Bonds."
- ASTM D412 "Standard Test Method for Elongation and Tensile Strength"
- ASTM C1305, "Standard Test Method for Crack Bridging Ability of Liquid-Applied Waterproofing Membrane."
- ASTM E2485, "Standard Test Method for Freeze/Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water Resistive Barrier Coatings."

- ASTM E84*, "Standard Test Method for Surface Burning Characteristics of Building Materials."
- ASTM E331*, "Water Penetration of Exterior Windows by Uniform Static Air Pressure Difference."
- ASTM E2357*, "Standard Test Method for Determining Air Leakage of Air Barrier Assemblies."
- ASTM D1970, "Nail Sealability."

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

*Third-Party Tested:

ASTM E84, "Standard Test Method for Surface Burning Characteristics of Building Materials": Class A when applied as a sealant no more than 1" wide and 60 wet mils thick.

ASTM E331, "Water Penetration of Exterior Windows by Uniform Static Air Pressure Difference": Passed with no leakage after 2 hours at 6.24 psf.

ASTM E2357, "Standard Test Method for Determining Air Leakage of Air Barrier Assemblies": Rated at 0.0714 L/S-M2 at 75 Pa (0.1849 cfm/sq. ft. at 1.57 psf).

WARRANTY

Warranties available as described at building.dupont.com/warranties.

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 DUPONT AND THE OWNER. THERE ARE NO WARRANTIES OR GUARANTEES THAT EXTEND BEYOND THE DESCRIPTION SET FORTH IN THESE WARRANTIES.

DuPont 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.

HANDLING

WARNING: For Professional Use Only – Read and follow the entire Handling section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

- Read the label and Material Safety Data Sheet 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.

Disposal

Dispose of any residual DuPont product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.



**For more information visit
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or call 1-866-583-2583**

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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult (Material) Safety Data Sheet ((M)SDS), call DuPont at 1-866-583-2583 or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

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

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