

Installation Procedures for DuPont™ LiquidArmor™ FJ

Product Overview

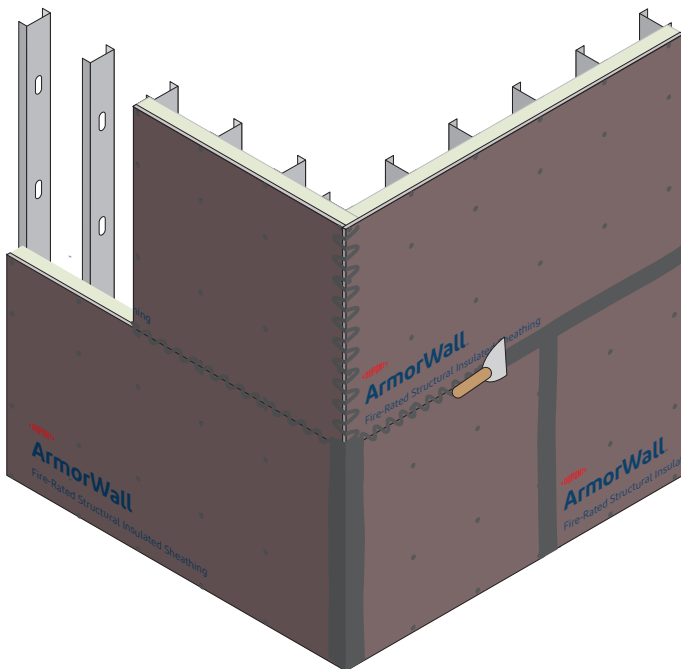
Description

DuPont™ LiquidArmor™ FJ Flashing and Joint Compound is a silyl-terminated polyether, brush and trowel-grade, vapor permeable elastomeric flashing with excellent joint treatment performance. It combines the functions of both flashing and joint compound into a single unique product, and is an integral part of the **DuPont™ ArmorWall™ System**.

LiquidArmor™ FJ is 99% solids and offers extremely low shrinkage. **LiquidArmor™ FJ** is designed to address **ArmorWall™ Plus** wall panel seams and fasteners. It can be used in conjunction with **DuPont™ ArmorSeal Sealant (Trowel Grade)** and/or **DuPont™ DuraGard™ WD** to address flashing of window/doors, pipe penetrations and wall transitions.

Packaging

LiquidArmor™ FJ is available in 20 oz sausages.



General Installation

Use Conditions

Use **LiquidArmor™ FJ** when ambient temperatures are between 20 °F and 100 °F (-6.6 °C and 38.8 °C) and substrate temperatures are below 150 °F (65.6 °C). **LiquidArmor™ FJ** offers 9 months (270 days) of UV exposure.

Preparation

Clean substrate by removing any frost, oil, grease, efflorescence, mold, and/or other substance or foreign matter that may affect the adhesion of **LiquidArmor™ FJ**. Remove all dust, dirt, and/or loose mortar from the substrate using a clean rag, brush, and/or trowel.

Joint Treatment Methods

Method 1 (For Gaps Up to 1/8")

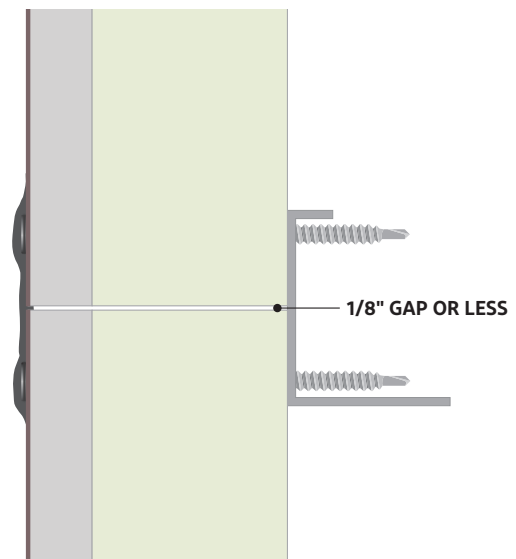
Use a 20 oz sausage gun to apply a bead of **LiquidArmor™ FJ** in a zigzag pattern extending onto each side of the joint or a bead to both adjoining panel surfaces. Use a brush or trowel to smooth **LiquidArmor™ FJ** to 35 mils (+/- 5 mils) and extend a minimum of 1" on each side of the joint. Check the joint for thin spots and pinholes. Apply more product if necessary for a continuous finish.

Method 2 (For Gaps 1/8" to 1/2")

Firmly apply a self-adhered reinforcing mesh tape. Use 20 oz sausage gun to apply a bead of **LiquidArmor™ FJ** above and below the panel seam. Trowel or brush **LiquidArmor™ FJ** across the mesh tape to a smooth finish of 35 mils (+/- 5 mils) and extend a minimum of 1" on either side of the joint. Check joint for thin spots and pinholes, apply more product if necessary.

Method 3 (For Gaps 1/2" to 3/4")

Fill the gap with low-rise foam or compressible insulation filler followed by compressed backer rod. Use 20 oz sausage gun to apply **LiquidArmor™ FJ** across the joint using a zigzag pattern extending onto each side of the joint or apply a bead to both adjoining panel surfaces. Use a brush or trowel to smooth the **LiquidArmor™ FJ** to 35 mils (+/- 5 mils) and extend a minimum of 1" on each side of the joint. Check the joint for thin spots and pinholes. Apply more product if necessary for a continuous finish.



ArmorWall™ System Panel Joint and Fastener Treatment Method 1, Top View.

Installation Procedures for DuPont™ LiquidArmor™ FJ

Sealing Corners, Fasteners, and Penetrations

Inside and Outside Corners

Using a 20 oz sausage gun, apply **LiquidArmor™ FJ** in a zigzag pattern across the entire corner joint. Inside and outside corner seam joints should be covered a minimum of 35 mils (+/- 5 mils), extending a minimum of 1" on each panel surface.

LiquidArmor™ FJ may be applied with a brush, standard trowel, or corner trowel (inside or outside depending on condition). Check application to ensure it is continuous, free of pinholes and voids.

Fasteners

Using a 20 oz sausage gun, apply a dollop of **LiquidArmor™ FJ** to all exposed panel fasteners with a sufficient amount to fully cover the fastener. Use a putty knife or brush to strike each fastener's head. Ensure application is continuous, free of pinholes and voids.

Pipe Penetrations

Fill any gaps 1/8" or greater with appropriately-sized backer rod. Apply a liberal bead of **LiquidArmor™ FJ** along the penetration/wall interface. Brush a minimum of 1" of **LiquidArmor™ FJ** on both the penetration and the **ArmorWall™ Plus** panel. Ensure **LiquidArmor™ FJ** is 35 mils (+/- 5 mils) and the application is free of pinholes and voids.

Safety and Handling

WARNING: FOR PROFESSIONAL USE ONLY – Read and follow the entire *Safety and Handling* section and the Safety Data Sheets carefully before use. The following information is designed to help protect the user and allow for safe use and handling of **LiquidArmor™ FJ**. Follow all local applicable federal, state, local and employer regulations.

CAUTION: KEEP OUT OF REACH OF CHILDREN

Precautionary statements

Hazard Statement: DANGER! May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility or the unborn child. May cause damage to organs. (Respiratory tract) through prolonged or repeated exposure if inhaled.

Precautionary Hazard Statement: DANGER! Please obtain special instructions at LiquidArmorFJ.DuPont.com. Do not handle until all safety precautions have been read and understood. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves and protective clothing. Use personal protective equipment as required. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF EXPOSED OR CONCERNED: Get medical advice/attention. Immediately call a poison center/doctor. IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant. Please refer to the Safety Data Sheet for first aid information.

Storage, Cleanup, and Disposal

Storage and Shelf Life: Products should be stored in controlled conditions, in a clean, dry environment, 50-80 °F (10-27 °C). Proper storage results in fifteen (15) month shelf life for 20 oz sausages. High temperatures and relative humidity may reduce shelf life.

Clean-up: Clean tools with mineral spirits or naphtha citrus-based cleaners. Do not use water.

Waste disposal: Comply with applicable federal, state, and local regulations.



ArmorWall™

Fire-Rated Structural Insulated Sheathing

For more information about DuPont Performance Building Solutions, please call 1-833-338-7668 or visit us at building.dupont.com

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