

DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound

A DURABLE, VAPOR PERMEABLE TROWELABLE FLUID APPLIED FLASHING AND JOINT COMPOUND.

PRODUCT INFORMATION

FEATURES/BENEFITS

- **Performance:** Offers an ideal combination of air and water holdout with vapor permeability.
- **Ease of Installation:** Single component, one-coat application that may be troweled for fast and easy application.
- **Enhanced Durability:** Easily withstands high windloads and offers up to nine months of UV resistance.
- **Low Shrinkage:** Exhibits extremely low shrinkage during curing, reducing the amount of product needed to complete installation.
- **Ease of Use:** excellent gunnability down to ambient temperatures of 25°F with very easy tooling.
- **Energy Efficiency:** By helping to effectively seal the building envelope, the DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound helps reduce the amount of energy required for heating and cooling.
- **Low VOC**
- For best results, use with DuPont™ Tyvek® Fluid Applied WB.
- Part of a complete, integrated fluid applied weather barrier system, all backed by a limited warranty from DuPont.



DESCRIPTION

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound is a full-bodied trowel applied, vapor permeable elastomeric flashing material. Tyvek® Fluid Applied Flashing and Joint Compound is used to coat rough openings for windows and doors, to fill seams, cracks, and holes in substrate, to seal around penetrations, and to treat joints and transitions between building components.

TYPICAL PROPERTIES

Please contact your local DuPont™ Tyvek® Specialist before writing specifications around this product. Typical properties are as follows:

TEST METHOD	PROPERTY	UNIT	VALUE
ASTM E2178	Air Penetration Resistance	cfm/ft² @ 75 Pa (1.57 psf)	0.0002
Gurley Hill (TAPPI T-460)	Air Penetration Resistance	sec/100 cc	>10,000
ASTM E2357	Wall Assembly Air Penetration Resistance	cfm/ft² @ 75 Pa	<0.01
ASTM E283	Wall Assembly Air Penetration Resistance	cfm/ft² @ 75 Pa	<0.01
ASTM E1677	Wall Assembly Air & Water Leakage	Type	NA
ATTCC 127	Water Penetration Resistance	cm	>1000
ASTM E331	Wall Assembly Water Penetration Resistance	Tested to 15 psf	No leakage
ASTM E96-00	Water Vapor Transmission	Method B perms	25
ASTM 1305	Low Temperature Crack Bridging	No cracking	PASS
ASTM D4541	Adhesion Strength - Concrete	psi	NA
ASTM D4541	Adhesion Strength - Exterior Gypsum (delaminates fiberglass topsheet)	psi	NA
ASTM D903	Peel Strength	lbf/in (aluminum)	18.7
			Cohesive failure
ASTM C794	Adhesion-In-Peel	lbf/in (mortar)	PASS
ASTM D412	Tensile	psi	245
ASTM D412	Elongation	%	450
ASTM D2240	Hardness	Shore A	69
Accelerated weathering (G155)	Ultraviolet Light Exposure (UV)	months	9
ASTM E84	Surface Burning Characteristics	Class	NA
		Flame Spread Index	NA
		Smoke Developed Index	NA
ASTM C1250	VOC	% (by wt.)	<2
		g/L	25-30



APPLICATION/USE INSTRUCTIONS

USE CONDITIONS

Use when ambient temperatures are above 25°F (-4°C). Can be applied to damp, but not wet surfaces. Do not thin. Stirring not necessary.

PREPARATION

Remove all surface dust, dirt and loose mortar. Mortar joints in concrete block and voids in poured concrete shall be filled flush and smooth and allowed to cure for a minimum of 24 hours. Surfaces may be damp but not wet and must be clean, free from frost, grease, dirt, or other contaminants and must be reasonably smooth.

FLASHING APPLICATION

Use Tyvek® Fluid Applied Flashing & Joint Compound completely around the window at 25 mils thick. Extend a minimum of 2" onto front surface. Inspect for gaps or pinholes and repair as necessary.

JOINT TREATMENT APPLICATION

Use Tyvek® Fluid Applied Flashing & Joint Compound to fill cracks and voids up to 1/4". For cracks between 1/4" and 1/2", cover first with mesh tape. Apply a bead, then trowel smooth. Seam coverage should be a minimum of 2" wide and 15-20 mils thick. Inspect for gaps or pinholes and repair as necessary.

CURING

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound is tack free or dry to touch within 1 hour at 70°F and 50% relative humidity. Cure occurs within 24 hours at 70°F and 50% relative humidity. Tack free time and complete cure will vary with temperature, humidity and substrate conditions.

CLEAN-UP

Clean tools with mineral spirits, citrus-based cleaners, or gel-based paint stripper.

Please refer to DuPont™ Tyvek® Fluid Applied Flashing Installation Guidelines for complete instructions.

APPROVALS / SPECIFICATIONS

The 2009 International Building Code (Section 1403.2 Weather Protection) requires that exterior walls shall provide the building with a weather resistant exterior wall envelope. The exterior wall envelope shall include flashing, as described in Section 1405.3. DuPont™ Tyvek® Fluid Applied Weather Barrier System products have been tested to the following standards.

- ASTM E 331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, And Curtain Walls by Uniform Static Pressure.
- ASTM E 2178 Standard Test Method for Air Permeance of Building Materials.
- ASTM E 2357 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies.
- ASTM E 283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

Energy Conservation Codes for commercial buildings are being adopted in many regions across the U.S. DuPont Tyvek Fluid Applied Weather Barrier System products meet the following codes and guidelines.

- Proposed ASHRAE 90.1 Model Energy Code air barrier requirements
- Minnesota Commercial Energy Code, Section 1323.0543, Section 5.4.3
- Massachusetts State Building Code 780 CMR 120.AA
- Wisconsin Building Code, Energy Conservation, Chapter Comm 63
- Michigan Building Code
- Rhode Island Building Code
- Georgia Building Code
- Florida Building Code

SAFETY PRECAUTIONS

CAUTION: Use only as directed. Avoid contact with eyes. First Aid: Eye Contact; Wash thoroughly with water. If irritation persists, contact a physician. Skin Contact; Rinse thoroughly with citrus-based cleaners. KEEP OUT OF REACH OF CHILDREN.

NOTICE

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound should be covered with the facade within 9 months to limit UV exposure. Follow facade manufacturer's installation and maintenance requirements in order to maintain water holdout.

MATERIAL STORAGE/DISPOSAL:

Storage and Disposal: DuPont™ Tyvek® Fluid Applied products should be stored in a clean, dry environment, 50°- 80°F, (10° - 27°C). Storage of the products in temperatures outside that range for short periods of time can be acceptable. Please refer to the DuPont™ Tyvek® Fluid Applied FAQ's.

SHELF LIFE AND STORAGE

The shelf life is 12 months for an unopened container. After opening, it is best to store opened containers with a plastic protective liner.

PACKAGING

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound is available in 10.3 oz. or 28 oz. disposable cartridges and 3.5 gallon pails.

WARRANTY

Backed by a limited product warranty, see www.Weatherization.Tyvek.com.

LIMITATIONS

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound should not be used for below grade applications or in applications in which it will be permanently exposed. Asphalt based adhesives are not recommended for use with this product.



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FLUID APPLIED WB



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