

DuPont™ Tyvek™ Fluid Applied Flashing and Joint Compound+

Vapor-Permeable Flashing Material for Commercial Wall Substrates



FEATURES/BENEFITS

Description

DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ is a full-bodied, trowel-applied, vapor-permeable elastomeric flashing material. It combines the functions of both flashing and joint compound into a single unique product that is an integral part of the DuPont™ Tyvek® Fluid Applied System.

Some applications for Tyvek® Fluid Applied Flashing and Joint Compound+ include:

- Flash rough openings for windows and doors
- Fill seams, cracks, and holes in substrate
- Seal around penetrations
- Treat joints and transitions between building components

Tyvek® Fluid Applied Flashing and Joint Compound+ offers an ideal combination of air and water holdout along with vapor permeability. It is Air Barrier Association of America evaluated to exceed ABAA, ASHRAE 90.1 and IECC air leakage requirements when tested in accordance with ASTM E2357.

Available Sizes

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

Ease of Use

Tyvek® Fluid Applied Flashing and Joint Compound+ is easy to handle and apply:

- Single component – requires just one application
- Reduces material waste by combining the functions of two products – flashing and joint compound
- Excellent gunnability, with easy tooling even in temperatures as low as 25°
- Trowelable for fast and easy application
- Extremely low shrinkage during curing, minimizing the risk of cracking and pin-holing and reducing the amount of product needed
- Cured membrane exhibits exceptional elongation and recovery properties, allowing the membrane to move with the building like a rubber band
- Provides 2.5–3.5 lf/oz. of coverage depending on substrate conditions (temperature and moisture), substrate porosity and uniformity of application
- Withstands high wind loads and up to 9 months of UV exposure

High Performance Durability

The formulation of DuPont™ Tyvek® Fluid Applied Flashing and Joint Compound+ is not water-soluble and will not lose physical properties or wash off the wall when exposed to liquid water, even before curing. Tyvek® Fluid Applied Flashing and Joint Compound+ can be installed on damp surfaces, which is defined as when no moisture is transferred to the skin when the substrate is touched.

Complete System

Tyvek® Fluid Applied Flashing and Joint Compound+ is part of a complete, integrated fluid applied weather barrier system, all backed by a limited warranty from DuPont. For best results, use with Tyvek® Fluid Applied WB+™.

Sustainable Solutions

- Tyvek® Fluid Applied products may contribute toward LEED® points in the areas of Energy and Atmosphere (EA): Optimizing the Building Envelope and Indoor Environmental Air Quality (EQ): Construction IAQ Management Plan and Low Emitting Materials. In addition, the use of a continuous air barrier is a prerequisite for LEED® applications requiring compliance with ASHRAE 90.1-2010.
- By helping to effectively seal the building envelope and reducing air leakage, the Tyvek® Fluid Applied System helps reduce the amount of energy required for heating and cooling.
- Low VOC. < 2% (by wt.)

PROPERTIES

Tyvek® Fluid Applied Flashing and Joint Compound+ exhibits physical properties as indicated in Table 1 when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact DuPont at 1-800-448-9835 when additional guidance is required for writing specifications that include this product.

TABLE 1: Physical Properties for Tyvek® Fluid Applied Flashing and Joint Compound+

Test Method	Property	Typical Value	Units
ASTM E2178	Air Penetration Resistance	(1.57 psf) 0.0002	cfm/ft² @ 75 Pa
Gurley Hill (TAPPI T-460)	Air Penetration Resistance	>10,000	sec/100 cc
ASTM E2357	Wall Assembly Air Penetration Resistance	<0.01	cfm/ft² @ 75 Pa
ASTM E283	Wall Assembly Air Penetration Resistance	<0.01	cfm/ft² @ 75 Pa
ASTM E1677	Wall Assembly Air & Water Leakage	Type	NA
AATCC 127	Water Penetration Resistance	>1000	cm
ASTM E331	Wall Assembly Water Penetration Resistance	No leakage	Tested to 15 psf
ASTM E96-00	Water Vapor Transmission	25 @ 25 mils	Method B perms
ASTM 1305	Low Temperature Crack Bridging	PASS	No cracking at 25 mil thickness
ASTM D4541	Adhesion Strength - Concrete	NA	psi
ASTM D4541	Adhesion Strength - Exterior Gypsum (delaminates fiberglass topsheet)	NA	psi
ASTM D903	Peel Strength	19 Cohesive; failure	lbf/in (aluminum)
ASTM C794	Adhesion-In-Peel	PASS	lbf/in (mortar)
ASTM D412	Tensile	245	psi
ASTM D412	Elongation at break	400	%
ASTM D412	Recovery (held at 300% elongation)	>99	%
ASTM D2240	Hardness	69	Shore A
Accelerated weathering (G155)	Ultraviolet Light Exposure (UV)	9	months
ASTM 1970	Nail Sealability	PASS	No leakage
NFPA 285	Flame Propagation. Multiple Assemblies	PASS	-
ASTM E84	Surface Burning Characteristics	Class Flame Spread Index Smoke Developed Index	NA NA NA
ASTM C1250	VOC	<2 25-30	% (by wt.) g/L
AAMA 714-15	Voluntary Specification for Liquid-Applied Flashing Used to Create a Water Resistive Seal Around Exterior Wall Opening in Buildings.	PASS	

Note: Test results shown represent averages. Individual results may vary either above or below averages due to normal manufacturing variations, while continuing to meet product specifications.

**For more information visit us at
tyvek.com
or call 1-800-448-9835**

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