



3M™ Air & Vapor Through Wall Flashing Tape 3015TWF

Technical Data

May 2019

Product Description 3M™ Air & Vapor Through Wall Flashing Tape 3015TWF is specially designed for use as a through wall flashing and damp proof course. 3M™ Air & Vapor Through Wall Flashing Tape 3015TWF is an impermeable membrane with an aggressive, high tack acrylic pressure sensitive adhesive that does not require the use of a primer on most construction surfaces.

Product Construction	Backing	Adhesive	Colors	Liner
	Polyethylene	Acrylic	Black	Polycoated Kraft

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Thickness:	15.5 mils (0.40 mm)	
Film Thickness:	7.5 mils (0.19 mm)	
Elongation at Break:	>600%	D-412, Die C
Tensile Strength	>7.0 MPa (>1000 psi)	D-412, Die C
Temperature Use Range:	0° to 150°F (-18° to 66°C)	
Puncture Resistance membrane:	>170 N (>38 lbf)	E-154
Water Vapor Permeance:	0.05 Perms	E96 Method B
Lap adhesion:	>4.2 N/cm	D1876
Moisture absorption:	CGSB 37GP56M	D570
Low Temperature Flexibility	30°C Bend Test	
Nail Sealability	127mm (5") Water Head After 3 Days Dry	D1970-14, Section 7.9

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Features

- Can be used to flash a window opening or as a window flashing product.
- Exceptional puncture and abrasion resistance.
- Excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, exterior gypsum sheathing and plywood. Primer not required in most applications.
- Flexible at low temperatures.
- Unique adhesive even adheres to damp surfaces that have not absorbed water, like metals, glass and plastics.
- Compatible with many building sealants including polyurethane, silicone and silane terminated hybrid sealants.
- Service temperature from -40°F to intermittently 240°F (-40° to 116°C).
- Can be applied from 0° to 150°F (-18° to 66°C)
- Resists UV exposure for up to 24 months.

Surface Preparation

- To obtain the best adhesion, 3M™ Air & Vapor Through Wall Flashing Tape 3015TWF should be installed when outdoor temperatures measure above 0°F to 150°F (-18°C to 66°C). Excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, exterior gypsum sheathing and plywood. Primer not required in most applications.
- Surfaces should be clean, free from dirt and debris and have not absorbed water.
- Surfaces should be free of any damaged, unsupported areas, sharp protrusions or voids.
- Concrete must be cured a minimum of 7 days before application.
- Block or brick walls should have mortar joints stuck flush.
- 3M™ Air & Vapor Through Wall Flashing Tape 3015TWF adheres to most common building materials. For difficult-to-stick-to surfaces, test adhesion before application. If needed, apply 3M™ Hi-Strength 90, 3M™ Hi-Strength 94 ET Spray Adhesive, 3M™ ScotchWeld™ Holdfast 70, or 3M™ Fastbond™ Contact Adhesive 30NF to prime the substrate prior to applying the membrane.

Application Instructions

- Overlap all joints by 50mm (2"). Keep 3M™ 3015 TWF back 12mm (½") to 25mm (1") from outside face of wall or veneer.
- Detail work must be carefully executed to ensure a continuously sealed building envelope: at all laps, seams, penetrations, and along top edges of 3015 TWF, apply a continuous bead of sealant such as 3M™ Polyurethane Sealant 540. Form end dams as required and use sealants at laps. Top or leading edge of 3M™ 3015 TWF must be sealed to prevent rain water from migrating behind the membrane.

Available Sizes

100mm(4"), 150mm(6"), 225mm(9"), 300mm(12"), 400mm(16"), 450mm(18")x75feet.

<u>Roll size</u>	<u>Theoretical Coverage</u>	<u>Roll size</u>	<u>Theoretical Coverage</u>
4"by75ft (10.16cmx22.86m)	25ft ² (2.33m ²)	12"by75ft (30.48cmx22.86m)	75ft ² (7m ²)
6"by75ft (15.24cmx22.86m)	37.5ft ² (3.5m ²)	16"by75ft (40.64cmx22.86m)	100ft ² (9.3m ²)
9"by75ft (22.86cmx22.86m)	56.25ft ² (5.25m ²)	18"by75ft (45.72cmx22.86m)	112.5ft ² (10.45m ²)

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Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original carton.
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Shelf Life	To obtain best performance, use this product within 24months from date of manufacture.
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Technical Information	The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.
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