

Technical Data

3M™ 3015TWF – Through Wall Flashing

Product Description	3M™ Self-Adhered Through Wall Flashing Membrane 3M™ 3015TWF is specially designed for use as a through wall flashing and damp-proof course. 3015 TWF 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.			
Construction Information	Backing Polyethylene	Adhesive Acrylic	Colour Black	Liner Polycoated Kraft
Typical Physical Properties	<i>Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.</i>			
	Colour:	Black		
	Thickness:	0.40 mm (15.5 mils)		
	Film Thickness:	0.19 mm (7.5 mils)		
	Application Temperature:	-18°C – 66°C		
	Elongation (ASTM D412 Die C):	>600%		
	Tensile Strength (ASTM D412 Die C):	>7.0 MPa (>1000 psi)		
	Puncture Resistance Membrane (ASTM E154):	>170 N (>38 lbf)		
	Nail Sealability (ASTM D1970, Section 7.9):	Pass		
	Water Vapour Permeance (ASTM E96 Method B):	0.05 Perms		
	Air Permeance of Membrane @75 Pa (ASTM E2178)	0.0013 L/s.m ²		
	Lap Adhesion (ASTM D1876):	>4.2 N/cm		
	Low Temperature Flexibility@ -30°C Bend Test (CGSB 37-GP-56M):	Pass		
	Moisture absorption (ASTM D570):	<0.1%		

Features

- Exceptional puncture and abrasion resistance.
- Excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, plywood and most exterior gypsum sheathing without the use of any primer on most common applications.
- Flexible at low temperatures.
- High performance 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° to 80°C (-40° to 176°F).
- Can be applied from -18° to 66°C (0° to 150°F).
- Resists UV exposure for up to 24 months.

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Surface Preparation	<ul style="list-style-type: none"> To obtain the best adhesion, 3M™ Self Adhered Through Wall Flashing Membrane 3M™ 3015TWF should be installed when outdoor temperatures measure above -18°C (0°F) to 49°C (120°F). 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™ 3015TWF adheres to most common building materials. For difficult to stick to surfaces, test adhesion before application. If needed, apply 3M™ Hi-Strength 90 Spray Adhesive, 3M™ Hi-Strength 94 ET Spray Adhesive, 3M™ Scotch-Weld™ Holdfast 70, or 3M™ Fastbond™ Contact Adhesive 30NF to prime the substrate prior to applying the membrane. 								
Application Instructions	<ul style="list-style-type: none"> Overlap all joints by 50 mm (2"). Keep 3M™ 3015TWF back 12 mm (½") to 25 mm (1") from outside face of wall or veneer. Detail work must be carefully executed to ensure a continuously sealed building envelope: if the top or leading edge of 3M™ 3015TWF is left exposed, a bead of sealant should be applied to prevent rain water from migrating behind the membrane. 								
Available sizes	300 mm (12"), 400 mm (16"), 450 mm (18") x 22.86 m (75 feet)								
	<table border="1"> <thead> <tr> <th>Roll size</th> <th>Theoretical Coverage</th> </tr> </thead> <tbody> <tr> <td>30.48 cm x 22.86 m (12" by 75 ft)</td> <td>7 m² (75 ft²)</td> </tr> <tr> <td>40.64 cm x 22.86 m (16" by 75 ft)</td> <td>9.3 m² (100 ft²)</td> </tr> <tr> <td>45.72 cm x 22.86 m (18" by 75 ft)</td> <td>10.45 m² (112.5 ft²)</td> </tr> </tbody> </table>	Roll size	Theoretical Coverage	30.48 cm x 22.86 m (12" by 75 ft)	7 m ² (75 ft ²)	40.64 cm x 22.86 m (16" by 75 ft)	9.3 m ² (100 ft ²)	45.72 cm x 22.86 m (18" by 75 ft)	10.45 m ² (112.5 ft ²)
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Storage	Optimum storage conditions are 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging material.								
Shelf life	To obtain best performance, use this product within 24 months from date of manufacture.								
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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