



Ultra Conformable Flashing Tape 3015UC

Technical Data

October 2019

Product Description

3M™ Ultra Conformable Flashing Tape 3015UC is a proprietary 3M detailing tape designed for the commercial construction market to be used in conjunction with a 3M Commercial Air Barrier System. It is constructed with a unique 3M backing that allows up to 370% elongation in multiple directions, enabling contractors to detail windows and other complex penetrations up to 40% faster by not having to cut and splice multiple pieces of tape.

3M acrylic adhesive allows the application of 3M™ Ultra Conformable Flashing Tape 3015UC at temperatures as low as 0°F and as high as 150°F. 3M Ultra Conformable Flashing Tape 3015UC can be exposed to UV sunlight for up to 12 months. It is repositionable, yet will adhere to and accept adhesion from most common building substrates per criteria of AAMA 711-13 using test method ASTM C-794.

Product Construction

Adhesive	Color	Tape Thickness w/o liner
High Performance Acrylic	Translucent Grey	38 mils

Features

- Provides internal strength and durability
- Nail Sealability: Passes ASTM E331/547 per AAMA 711-13, Annex both before and after thermal cycling.
- Strong multi-directional tape stretches and conforms to difficult areas
- Easy, fast and hassle-free installation
- Service temperature from -40° to 300°F (-40° to 150°C).
- Can be applied to substrates from 0° to 150°F (-18° to 66°C).
- Resists UV exposure for up to 12 months
- Translucent for visual inspection
- Compatible with the most common building and construction substrates

Application Ideas

- Sealing around rough openings and joints in commercial building applications
- Sealing of through wall flashing penetrations such as ducts, conduits, cables and pipes
- Conforms to all dimensions of through wall penetrations openings within building envelopes such as around electrical cables, chimneys etc. to prevent air/moisture and water intrusion
- Recommended for construction types 1-4

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Performance Characteristics

90° peel, jaw speed 12 inch/min (ASTM D3330).

Initial Peel Strength (24 hr. dwell @ 72 °F)	
Adhesion to Steel	22.0 Lbs/inch (130 N/100 mm)
Adhesion to Concrete Based Material	22.5 Lbs/inch (130 N/100 mm)
Adhesion to OSB	22.5 Lbs/inch (100 N/100 mm)
Adhesion to Wood	22.5 Lbs/inch (100 N/100 mm)
Adhesion to Exterior Grade Gypsum Board	*4.3 Lbs/inch (19.4 N/100 mm)
Peel Strength after Aging (7 days @ 72 °F & 50% RH)	
Adhesion to Steel	33.0 Lbs/inch 150 N/100 mm
Adhesion to Concrete Based Material	31.5 Lbs./inch (140 N/100 mm)
Adhesion to OSB	24.7 Lbs./inch (110 N/100 mm)
Adhesion to Wood	31.5 Lbs./inch (140 N/100 mm)
Adhesion to Exterior Grade Gypsum Board	*4.8 Lbs/inch (21.3 N/100 mm)

* Separated fiberglass facer mat from gypsum core.

Tensile Stress at break Elongation at break ASTM D-412	4.2 PSI (0.840 N/mm ²) ≥ 300 %
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Technical Notes

- To obtain the best adhesion, 3M™ Ultra Conformable Flashing Tape 3015UC should be applied when temperatures range from 0°F (-18°C) up to 150°F (66°C) over clean surfaces that are 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.
- While it can be applied as low as 0°F (-18°C) surfaces must be clear of snow, ice or frost.
- Must be lapped a minimum of 2" with air barrier.
- 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 94ET Spray Adhesive, 3M™ Holdfast 70 Spray Adhesive or 3M™ Fastbond™ Contact Adhesive 30NF to prime the substrate prior to applying the membrane. Products are available as either an aerosol or cylinder spray adhesive.

Application

- Fill gaps and cracks exceeding ¼" width with 3M™ Polyurethane Sealant 540 or 3M™ Polyurethane Construction Sealant 525, and tool the surface flush and smooth.
- Fill gaps exceeding ½" width with closed cell foam backer rod, seal with 3M™ Polyurethane Sealant 540 or 3M™ Polyurethane Construction Sealant 525, and tool the surface flush and smooth.

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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.
Shelf Life	To obtain best performance, use this product within 24 months from date of manufacture.
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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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