

June, 2018

## 3M™ Ultra Conformable Flashing Tape 3015UC

### 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 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
- Resists UV exposure for up to 12 months
- Translucent for visual inspection
- Compatible with the most common building and construction substrates

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## Technical Information Note

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

## Typical Physical Properties

| Property                           | Values                   |        |
|------------------------------------|--------------------------|--------|
| Color                              | Translucent Grey         |        |
| Total Tape Thickness without liner | 0.97 mm                  | 38 mil |
| Adhesive                           | High Performance Acrylic |        |

## Typical Performance Characteristics

| 90° Peel Adhesion |            | Dwell/Cure Time | Substrate                   |
|-------------------|------------|-----------------|-----------------------------|
| 254 N/cm          | 22.0 lb/in | 24 hr @ RT      | Steel                       |
| 254.2 N/cm        | 22.5 lb/in | 24 hr @ RT      | Concrete Based Material     |
| 254.2 N/cm        | 22.5 lb/in | 24 hr @ RT      | OSB                         |
| 254.2 N/cm        | 22.5 lb/in | 24 hr @ RT      | Wood                        |
| *48.6 N/cm        | *4.3 lb/in | 24 hr @ RT      | Exterior Grade Gypsum Board |
| 372.8 N/cm        | 33.0 lb/in | 7 d @ RT        | Steel                       |
| 355.9 N/cm        | 31.5 lb/in | 7 d @ RT        | Concrete Based Material     |
| 279.1 N/cm        | 24.7 lb/in | 7 d @ RT        | OSB                         |
| 355.9 N/cm        | 31.5 lb/in | 7 d @ RT        | Wood                        |
| *54.2 N/cm        | *4.8 lb/in | 7 d @ RT        | Exterior Grade Gypsum Board |

Property: 90° Peel Adhesion

Method: ASTM D3330

notes: Jaw Speed 12 in/min \* Separated fiberglass facer mat from gypsum core.

| Property            | Values    |                        | Method    |
|---------------------|-----------|------------------------|-----------|
| Tensile Strength    | 0.029 MPa | 4.2 lb/in <sup>2</sup> | ASTM D412 |
| Elongation at Break | >=300 %   |                        | ASTM D412 |

## Handling/Application Information

### 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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## Handling/Application Information (continued)

### Application Techniques

- 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.

### Directions for Use

- 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 Adhesive30NF to prime the substrate prior to applying the membrane. Products are available as either an aerosol or cylinder spray adhesive.

### Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original carton. To obtain best performance, use this product within 24 months from date of manufacture.

### Trademarks

3M is a trademark of 3M Company.

### References

#### Safety Data Sheet (SDS)

[https://www.3m.com/3M/en\\_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en\\_US&co=ptn&q=3015UC](https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3015UC)

### ISO Statement

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

### Technical Information

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