All Weather Flashing Tape 3M™ 8067

Product Data Sheet

Date: March 2012
Supersedes: June 2011

Product Description	3M™ All weather Flashing Tape 8067 is a self-adhered, waterproof flashing membrane designed for seaming and splicing damp surfaces such as polyethylene vapour barrier products as well as to repair holes and tears in these building materials and seal around openings and penetrations in exterior walls. This product has a unique acrylic pressure sensitive adhesive that aggressively sticks and stays stuck both at lower and higher application temperatures than traditional flashing tapes. The proprietary backing seals around hand driven nails and staples to prevent moisture intrusion. This backing is also tough, resists punctures and tears, yet it is thin to fit conveniently into corners and under siding. The split paper release liner provides fast application with easy and accurate positioning of the tape.
Key Features	• High tack adhesive sticks and stays stuck to most common building materials. • Unique adhesive adheres to damp surfaces. • Adhesive provides an unusual combination of both cold temperature and hot temperature adhesion to most substrates, which can extend the construction season in many climates. • No adhesive melting or staining in summer heat. • Proprietary backing seals around nails and staples to prevent moisture intrusion. • Very low vapour transmission rate. • Unique backing is thin to conveniently fit into corners and under siding. • Tough backing resists punctures and tears during application. • Resists UV exposure for up to 6 months. • Can be installed at temperatures as low as -18°C and as warm as 49°C • Compatible with many building sealants: No adverse reaction with synthetic rubber, butyl, polyurethane, silicone and silane terminated hybrid sealants. • Split release liner provides fast application with easy and accurate positioning of the tape. • Meets AAMA 711-05 Voluntary Specification for Self Adhering Flashing Use for Installation of Exterior Wall Fenestration Products: Adhesion Type Rating Type A (no need for primer at tested conditions) Thermal Exposure Class 3 - Highest level (80°C at 7 days) • Nail Sealability: Passes ASTM E331/547 (per AAMA 711-05, Annex 1) both before and after thermal cycling.

Construction

Thickness (ASTM D-3652) Tape	0,250 mm
Backing	Proprietary Film
Film Thickness	0,127 mm
Release Liner	Heavy paper, split
Tape Colour	Off white with black print
Adhesive Type	Acrylic
Adhesive Thickness	0,130 mm

Performance Characteristics

Adhesion Polyethylene 90° peel @room temp, 72 hr dwell, jaw speed 300mm/min ASTM D-3330 per AAMA 711-05	66 N / 100 mm
Adhesion to Oriented Strand Board (engineered wood) 90° peel @room temp, 72 hr dwell, jaw speed 300mm/min ASTM D-3330 per AAMA 711-05	66 N / 100 mm
Adhesion to Spun bonded polyethylene Housewrap 90° peel @room temp, 72 hr dwell, jaw speed 300mm/min ASTM D-3330 per AAMA 711-05	55 N / 100 mm
Adhesion to Anodised Aluminium 90° peel @room temp, 72 hr dwell, jaw speed 300mm/min ASTM D-3330 Conditioning per AAMA 711-05 **after 7 days at 80°C** **after 7 days in water** **after Thermal Cycling** **after UV Exposure**	 77 N / 100 mm 71 N / 100 mm 82 N / 100 mm 66 N / 100 mm
Nail Sealability ASTM E331/547 as modified per Pass AAMA 711-05 Annex 1 **Initial** **After thermal cycling**	 Pass Pass
Temperature Performance Max (days/weeks) Tested per AAMA 711-05	-40 to 80°C
Application Temperature Performance	-18 to 49°C

90° Peel Adhesion – Based on ASTM D3330 – To stainless steel, room temperature, jaw speed 12 in/min (305mm/min). Average force to remove is measured.

Normal Tensile (T-Block Tensile) – ASTM D-897 – To aluminium, room temperature, 6.45 cm2, jaw speed 50mm/min. Peak force to separate is measured

Application Ideas

• Sealing joints around sills, jambs and heads of rectangular windows in wood frame construction.
• Sealing around other wall interruptions in non-roof areas, such as thresholds, dryer vents and hose bibs. Taping seams aids in reducing air infiltration, improving the effectiveness of insulation and reducing heating and cooling costs.
• When installed properly as a concealed flashing in vertical walls in frame construction, it prevents moisture intrusion and avoids the problems caused by water infiltration.

Usage and Limitations

3M™ All weather Flashing Tape 8067 is intended to seam and splice damp surfaces such as polyethylene vapour barrier products as well as to repair holes and tears in these building materials.. The following conditions apply to the use of 3M™ All weather Flashing Tape 8067:

• **Installation Temperature Range**: To obtain the best adhesion, 3M™ All weather Flashing Tape 8067 should be installed when outdoor temperatures range from -18°C up to 49°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.

• Adheres to most common building materials. For difficult to stick to surfaces, test flashing tape adhesion before application. Use 3M™ Hi-Strength 90 Spray Adhesive to prime the substrate as needed prior to applying the flashing tape.

• **To apply**, peel back a few inches of one side of the split paper release liner to position the tape. Remove the liner while applying firm pressure to the flashing tape surface as it comes into contact with the building surface. Repeat this procedure with the remaining side of the paper release liner and tape. Using a roller (rubber, wood or steel “J” roller) apply sufficient pressure along the entire tape surface to ensure a continuous seal and to eliminate trapping air beneath the tape.

• **Environmental Conditions**: may remain exposed to direct sunlight for up to 60 days.
• **Warning**: The paper release liner is slippery and should not be walked on at any time. Discard the paper release liner in a designated container.

Storage	3M™ All weather Flashing Tape 8067 in the original carton at 16 to 27°C and 40 to 60% R.H. or refrigerate for maximum shelf life.
Shelf Life	3M™ All weather Flashing Tape 8067 has a shelf life of e.g. 12 months from date of dispatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity
Precautionary Information	Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information please contact your local 3M Office. www.3M.com
For Additional Information	To request additional product information or to arrange for sales assistance, call 3M Norge AS Address correspondence to: 3M
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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications.
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