



Construction Seaming Tape

8087

Technical Data

June, 2011

Product Description 3M™ Construction Seaming Tape 8087 is designed to seal seams on housewrap and insulated sheathing products. It can also be used to seam polyethylene vapor barrier products as well as to repair holes and tears in these building materials. Taping seams aids in reducing air infiltration, improving the effectiveness of insulation and reducing heating and cooling costs.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Biaxially oriented polypropylene film	Acrylic	Red	1.88 in. x 54.6 yds. (48 mm x 50 m) 2.83 in. x 54.6 yds. (72 mm x 50 m)

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
Adhesion to Steel:	45 oz./in. width (49 N/100 mm)	D-3330
Adhesion to Housewrap:	25 oz./in. width (27 N/100 mm)	D-3330
Adhesion to Polyethylene:	16 oz./in. width (17.5 N/100 mm)	D-3330
Tensile Strength:	20 lbs./in. width (350 N/100 mm)	D-3759
Elongation at Break:	130%	D-3759
Total Thickness:	3 mils (0.076 mm)	D-3652
Backing Thickness:	1.5 mils (0.038 mm)	D-3652
Water Vapor Transmission Rate:	0.14 g/100 in. ² /24 hr.	D-3833
Flame Spread Index:	0	E-84
Smoke Developed Index:	0	E-84
Application Temperature:	14°F to 120°F (-10°C to 49°C)	
Service Temperature:	-40°F to 220°F (-40°C to 105°C)	

Features

- Excellent cold temperature adhesion to housewrap and polyethylene as low as 14°F (-10°C).
- UV resistant film helps protect against degradation by sunlight.
- Meets the criteria to contribute to the Environmental Quality (“EQ”) Credit 4.1: Low-Emitting Materials: Adhesives & Sealants under the United States Green Building Council’s Rating System for New Construction & Major Renovations (LEED-NC), Version 2.2, Core and Shell (LEED_CS), Version 2.0, and Commercial Interiors (LEED_CI), Version 2.0.
- If applied at cold temperatures, adhesion will increase as temperature warms or with the sun’s rays.
- Low moisture vapor transmission rate does not compromise performance of vapor barriers.

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- Features (continued)**
- Tape remains flexible even at -4°F (-20°C) for cold temperature applications.
 - Good instant adhesion to a wide variety of materials such as housewrap, insulated sheathing, vapor barrier film, and unfinished wood.
 - Good holding power, resists lifting and curling.
 - The red color provides good contrast for quick visual inspection.

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- Application Instructions**
- For optimum adhesion apply to clean, dry surfaces.
 - Do not apply to wet materials.
 - Insure proper rubdown of the tape to the substrate for optimum performance.

Storage Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.

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ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.

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