



# Sealing Tape

## 8777

Technical Data

June, 2011

### Product Description

3M™ Sealing Tape 8777 is a self-adhered, waterproof membrane designed for sealing on difficult to stick to surfaces. This product has a unique acrylic pressure sensitive adhesive that aggressively sticks and stays stuck both at lower and higher application temperatures. The proprietary backing seals around hand driven nails and staples to prevent moisture intrusion. This backing is tough, resists punctures and tears, yet it is thin and conformable to fit conveniently into corners.

### Product Construction

| Backing          | Adhesive | Liner              | Color | Standard Roll Length |
|------------------|----------|--------------------|-------|----------------------|
| Proprietary film | Acrylic  | Heavy paper, split | Tan   | 75 feet (22.8m)      |

### 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.**

|                                    |                                | Test Method  |
|------------------------------------|--------------------------------|--|
| Adhesion to Polyethylene:          | 60 oz./in. width (66 N/100 mm) | ASTM D-3330  |
| Adhesion to OSB:                   | 60 oz./in. width (66 N/100 mm) | ASTM D-3330  |
| Adhesion to Housewrap*:            | 50 oz./in. width (55 N/100 mm) | ASTM D-3330  |
| Adhesion to Anodized:<br>Aluminum: |                                |  |
| After 7 days at 176°F:             | 70 oz./in. width (77 N/100 mm) | ASTM D-3330  |
| After 7 days in water:             | 65 oz./in. width (71 N/100 mm) | ASTM D-3330  |
| After Thermal Cycling:             | 75 oz./in. width (82 N/100 mm) | ASTM D-3330  |
| After UV Exposure:                 | 60 oz./in. width (66 N/100 mm) | ASTM D-3330  |
| Nail Sealability:                  |                                | ASTM E331/547 as modified<br>per AAMA 711-07 Annex 1 |
| Initial:                           | Pass                           |  |
| After Thermal Cycling:             | Pass                           |  |
| Permeability:                      | 0.17 perms                     | ASTM E-96<br>(dessicant method)                      |
| Tape Thickness:                    | 9.9 mils (0.25 mm)             | ASTM D-3652  |
| Service Temp. Range:               | -40 to 176°F (-40 to 80°C)     | Tested per AAMA 711-05                               |
| Application Temp. Range:           | 0 to 120°F (-18 to 49°C)       |  |

\*Spun bonded polyethylene.

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## Features

- Nail Sealability: Passes ASTM E331/547 (per AAMA 711-07, Annex 1) both before and after thermal cycling.
- 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.
- High tack adhesive sticks and stays stuck to many difficult to stick to surfaces.
- Unique adhesive adheres to damp surfaces.
- Adhesive provides an unique combination of both cold temperature and hot temperature adhesion to most substrates.
- No adhesive melting or staining in summer heat.
- Proprietary backing seals around nails and staples to prevent moisture intrusion.
- Unique backing is thin and conformable to conveniently fit into corners.
- Tough backing resists punctures and tears during application.
- Resists UV exposure for up to 6 months.
- Can be installed at temperatures as low as 0°F (-18°C) and as warm as 120°F (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.

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**Storage** Store under normal conditions of 60-80°F (16-27°C) and 40-60% R.H. in the original carton.

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

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**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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**ISO 9001:2008**

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



## Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)  
www.3M.com/industrial



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