



Technical Data Sheet

3M™ Venture Tape™ UL181B Aluminum Foil Tape 1580-P



[Product Details](#)

Product Description

3M™ Venture Tape™ UL181B Aluminum Foil Tape 1580-P is a UL printed aluminum foil tape coated with a heavy coating of mastic adhesive.

Product Features

- Provides an instant water resistant bond on most surfaces including sheet metal, duct board, flex duct, and duct wrap vapor barriers
- Provides superior performance and durability over a wide range of environmental conditions
- Excels in high humidity conditions
- Hand tearable allowing for easy installation

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

| Attribute Name | Test Method | Value |
|----------------------|-------------|------------------------------|
| Color | | Natural Aluminum |
| Adhesive Type | | Mastic |
| Backing | | Red UL Printed Aluminum Foil |
| Backing Thickness | ASTM D3652 | 0.05 mm (1.95 mil) |
| Total Tape Thickness | ASTM D3652 | 0.36 mm (14 mil) |
| Liner | | Release Liner |

Typical Performance Characteristics

| Attribute Name | Test Method | Temperature | Value |
|---------------------|-------------|---------------|----------------------------------|
| 180° Peel Adhesion | ASTM D3330 | 22 °C (72 °F) | 8.9 N/cm (81 oz/in) ¹ |
| Elongation at Break | ASTM D3759 | | 9 % |
| Tensile Strength | ASTM D3759 | | 38.5 N/cm (22 lb/in) |

¹ 12 in/min (300 mm/min)

| Attribute Name | Value |
|--|------------------------------|
| Long Term Temperature Resistance | 93 °C (200 °F) ¹ |
| Minimum Long Term Temperature Resistance | -40 °C (-40 °F) ¹ |

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Applications requiring water resistant bonding
- Facing on fibrous, flex duct and sheet metal ductwork
- Duct wrap vapor barriers

Certifications/Standards

Certifications

UL 181B-FX [UL file MH16587]

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

| Attribute Name | Value |
|-----------------------|-----------------|
| Standard Roll Length | 30.4 m (100 ft) |

Information

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ISO Statement

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