



## 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) <sup>1</sup>
Elongation at Break	ASTM D3759		9 %
Tensile Strength	ASTM D3759		38.5 N/cm (22 lb/in)

<sup>1</sup> 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	93 °C (200 °F) <sup>1</sup>
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) <sup>1</sup>

<sup>1</sup> 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**

<b>Attribute Name</b>	<b>Value</b>
Standard Roll Length	30.4 m (100 ft)

## **Information**

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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3M Center, St. Paul, MN 55144-1000  
[www.3M.com](http://www.3M.com)

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