



Technical Data Sheet

3M™ Venture Tape™ UL181A-P and
UL181B-FX Aluminum Foil Tape 1581A



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Venture Tape™ UL181A-P and US181B-FX Aluminum Foil Tape 1581A is a high temperature, high strength aluminum foil tape coated with a cold weather acrylic pressure sensitive adhesive.

Product Features

- Conformable foil applies easily to both rigid duct board and flexible duct
- Excellent performance in demanding temperature and humidity conditions
- Excellent performance and durability over a wide range of environmental conditions
- Easy to install on site without special tools or application methods

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		Acrylic
Backing		High strength aluminum foil
Backing Thickness	ASTM D3652	0.05 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.09 mm (3.9 mil)
Liner		Paper

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	6.6 N/cm (60 oz/in) ¹
Elongation at Break	ASTM D3759		10 %
Tensile Strength	ASTM D3759		50.8 N/cm (29 lb/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	149 °C (300 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Vapor seal on reinforced fiberglass duct board
- High performance duct closure
- Sealing flexible duct to rigid duct

Certifications/Standards

Certifications

- UL181A-P Listed (UL File # MH16587)
- UL181B-FX Listed (UL File # MH16587)
- ULC S102 Listed (Flame/Smoke 0/0) [ULC File # R10984]

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	55 m (60 yd)

Information

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ISO Statement

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