



# Aluminum Foil Tape

## 1449

### Technical Data

**Product Description** 3M™ Aluminum Foil Tape 1449 is an 1.4 mil (nominal) dead soft aluminum foil backing combined with a transparent, acrylic adhesive.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Dead soft aluminum foil	Acrylic	Shiny silver	60 yds. (55 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:	37 oz./in. width (40 N/100 mm)	D-3330
Tensile Strength:	19 lbs./in. width (333 N/100 mm)	D-3759
Elongation at Break:	11%	D-3759
Backing Thickness:	1.4 mils (0.04 mm)	D-3652
Total Tape Thickness:	2.6 mils (0.07 mm)	D-3652
Water Vapor:	0.1g H <sub>2</sub> O/100 in. <sup>2</sup> /24 Hrs.	
Transmission Rate:	(155g/m <sup>2</sup> .24h)	
Temperature Use Range:	-25° to 250°F (-32° to 121°C)	

### Features

- Can be used indoors or out for long term applications.
- Thinnest 3M™ Aluminum Foil Tape for added conformability.
- The acrylic adhesive combined with the durable aluminum backing offers ideal properties for long serviceable life both indoors and out.
- Aluminum backing provides excellent reflection of both heat and light.
- High formable foil alloy allows for application to complex shape surfaces.
- Best adhesion results obtained when applied to clean dry surfaces about 32°F (0°C).

### Application Ideas

- High conformability for wrapping applications.
- General purpose heat reflector.
- Mechanically hold wires and cooling coils to appliance walls.
- Securing and heat transfer medium in the refrigeration industry.
- General purpose holding, patching and sealing applications – indoors and out.

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

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

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**ISO 9001:2000**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

**3M**

**Industrial Business  
Industrial Adhesives and Tapes Division**

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