



Aluminum Foil/Reinforced Tape

1430

Technical Data

Product Description

3M™ Aluminum Foil/Reinforced Tape 1430 is a dead soft aluminum foil tape combined with a non-woven web. It has a press sensitive adhesive and offers the superior sealing benefits of foil with the ease of handling and strength of cloth.

Product Construction

Backing	Adhesive	Color	Standard Roll Length
1-mil (0.03 mm) aluminum foil and a 4-mil (0.10 mm) non-woven web	Transparent acrylic	Silver (shiny)	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:	22 oz./in. width (24 N/100 mm)	D-3330
Tensile Strength:	19 lbs./in. width (333 N/100 mm)	D-3759
Elongation at Break:	12%	D-3759
Total Tape Thickness:	5.5 mils (0.14 mm)	D-3652
Water Vapor Transmission Rate:	0.1g H ₂ O/100 sq. in./24 hrs. (1.55 g/m ² /24 hrs.)	

Features

- Can be easily torn by hand.
- Aluminum backing provides an excellent reflective surface for both heat and light.
- Performs from -56°F (-54°C) to 300°F (149°C) continuously and has been known to perform when exposed to temperatures in excess of 400°F (204°C) for shorter periods of time. Generally, adhesive transfer occurs on removal when the higher temperature limits are reached.
- Provides an excellent moisture barrier and ultimate adhesion level.
- It conforms better and does not puncture and tear as easily as many thin foil tapes that come on a liner.
- Because of its excellent handling and edge sealing qualities, it's much easier and faster to apply than many of the standard foils, especially the lined foils.
- It can be applied to many complex shapes and contoured surfaces easily.
- Best results attained when applied to a clean, dry surface above 32°F (0°C).

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Application Ideas

- Sealing or protecting of complex shapes or contoured surfaces.
- Excellent general purpose duct sealing.
- Moisture barrier around windows.
- Electronic sensing of splices for flexible materials.
- Insulation wrap for hoses and other flexible parts.
- Seaming of insulation board.
- General sealant indoors or out.

Storage

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

Shelf Life

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

Product Use

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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.



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