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[12X12-6-1430](#)

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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

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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

**Industrial Business
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