

Scotch[®] Foil Tape 3311



Technical Data

June, 2007

Product Description

Scotch[®] Foil Tape 3311 is an aluminum alloy foil with a pressure-sensitive adhesive and paper liner. The aggressive rubber adhesive sticks well to most surfaces and the paper liner makes for convenient and reliable use.

Product Construction

Backing	Adhesive	Color	Standard Roll Length	Standard Roll Width
2 mil aluminum alloy foil	Rubber	Silver	10, 50 & 600 yds. (9.14, 45.7 & 548.6 m)	2 & 60 in. (50.8 mm & 1.52 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:	90 oz./in. width (98 N/100 mm)	D-3330
Tensile Strength:	17 lbs./in. width (298 N/100 mm)	D-3759
Elongation at Break:	3%	D-3759
Total Thickness: (no liner)	3.6 mils (0.09 mm)	D-3652
Flame Spread Index:	10	E-84
Smoke Developed Index:	5	E-84
Application Temperature Range:	+10°F to +180°F (-12.2°C to +82.2°C)	
Temperature Use Range:	-10°F to +180°F (-23.3°C to +82.2°C)	

Features

- UL 723 rated for flame and smoke characteristics.
- Can be used under all weather conditions.
- Matches aluminum foil-faced duct systems and insulation.
- Designed for maximum adhesion over clean, dry surfaces. For best results, always use an application squeegee.
- Resists water vapor, odor and smoke transmission.
- Extremely conformable backing.
- Can be used over a wide temperature range.
- Acts as a vapor barrier to insure the integrity of the insulation system.

Application Ideas

- Ideal for sealing aluminum faced insulation seams and joints.
- General repair and maintenance.
- Temporary and emergency repair of metal surfaces.
- Availability of 60 in. (1.52 m) width allows for custom widths and die cuts.

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 12 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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