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3M™ Scotch® Foil Tape 3311

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 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.



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

Property	Values		Method
Color	Silver		
Total Tape Thickness	0.09 mm	3.6 mil	ASTM D3652
Backing	Aluminum Alloy Foil		
Adhesive	Rubber		
Liner Thickness	0.05 mm	2 mil	ASTM D3652

Backing Thickness			
0.05 mm	2 mil	0.05 mm	2 mil

Property: Backing Thickness
Method: ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	9.8 N/cm	90 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	29.8 N/cm	17 lb/in	ASTM D3759			
Elongation at Break	3 %		ASTM D3759			
Temperature Use Range	-23.3 to 82.2 °C	-10 to 180 °F				
Application Temperature	-12.2 to 82.2 °C	10 to 180 °F				
Flame Spread Index	10		ASTM E84			UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.
Smoke Developed Index	5		ASTM E84			UL-723, NFPA 255, and UBC 8-1 are publications of the same test method.

Available Sizes

Property	Values	
Standard Roll Length	9.14, 45.7 & 548.6 m	10, 50 & 600 yd
Standard Width	50.8 & 1520 mm	2 & 60 in

Handling/Application Information

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 and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

UL 723

Trademarks

Scotch is a registered trademark of 3M.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/Scotch-Aluminum-Foil-Tape-3311?N=5002385+3293241438&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3311

Information

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