

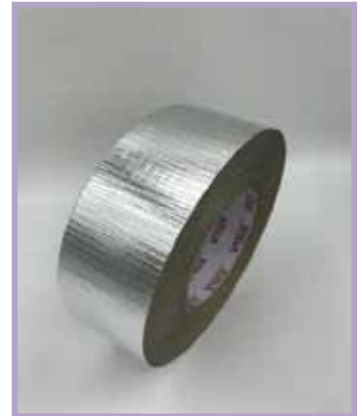
Technical Data

PRODUCT DESCRIPTION

2211F is a premium aluminum foil, laminated with an improved polyethylene mesh and coated with a high strength VTACK™ solvent based aggressive acrylic adhesive and protected by an easy peel release liner. Designed for use as a permanent vapor seal for reinforced aluminium faced fiberglass or mineral wool thermal insulation, fibrous and sheet metal ducts as well as FSK systems. Superior performance over a wide range of demanding temperatures and environments.

FEATURES

- High performance tape designed for use as a vapor seal on aluminium faced insulation products and sealing in HVAC ductwork application.
- Foil-PE Mesh backing provides excellent reflection of both heat and light.
- High quality adhesive with super strong adhesion and holding power.
- Conforms well to irregular surfaces.
- Low moisture vapor transmission rate makes 2211F an excellent vapor barrier.
- Service Temperature range from -30°C ~ +120 °C (-22°F ~ +248 °F).



TYPICAL PHYSICAL PROPERTIES

PROPERTIES	1. METRIC	2. ENGLISH	TEST METHOD
Backing Thickness	125 Micron	5.0 Mil	PSTC-133 / ASTM D 3652
Total Thickness (without paper liner)	175 Micron	7.0 Mil	PSTC-133 / ASTM D 3652
Adhesion to Steel	20 N/25mm	72 Oz./In.	PSTC-101 / ASTM D 3330
Tack Rolling Ball	15 cm	5.0 In.	PSTC-106 / ASTM D 3121
Tensile Strength	100 N/25mm	22.7 Lb/In	PSTC-131 / ASTM D 3759
Elongation	%.	25.0	PSTC-131 / ASTM D 3759
Service Temperature	-30 ~ +120 °C	-22 ~ +248 °F	-----
Applying Temperature	+10 ~ 40 °C	+50 ~ +105 °F	-----
Early Fire Hazard Test	- 0 -	- 0 -	AS/NZS 1530 part 3-1999
Volatile Organic Compound (VOC)	< 1% of the weight of the product supplied		
Ozone Depletion – ODP	ODP Free (will not cause ozone depletion)		

PRODUCT FORM & SIZE AVAILABLE

Cut Roll: 48mm, 72mm, 96mm **Log Roll:** 1200mm x 50m (contact AFC for other custom sizes)

STORAGE & SHELF LIFE: 12 months when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.

SURFACE PREPARATION: It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, free of grease, oil or other contaminants.

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Due to a policy of continuous development, prices and specifications are subject to change without notice.

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Tape TR Reinforced Aluminium Foil Tape (type 1529CW from 2017-2019)

Product Description	3M™ Venture Tape™ Reinforced Aluminum Foil Tape 1529CW is an aluminum foil/expanded polyethylene laminate with a special cold weather acrylic pressure sensitive adhesive.				
Product Construction	Backing	Adhesive	Color	Liner	Standard Roll Length
	Aluminum Foil / expanded PE	Acrylic	Natural Aluminum / Black	Release Liner	55 yds (50 m)

- Features**
- Bonds and seals at temperatures as low as -10°F
 - Excels in demanding temperatures
 - Superior resistance to moisture and recommended for use in high humidity conditions

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.**

Test	Typical Value	Typical Value (Metric)	Test Method
Total Tape Thickness	5.7 mils	0.15 mm	ASTM-D3652
Backing Thickness	4.7 mils	0.12 mm	ASTM-D3652
Peal Adhesion	56 oz/in	16 N/25 mm	ASTM-D3330
Tensile Strength	13 lb/in	58 N/25 mm	ASTM-D3759
Elongation	15%	15%	ASTM-D3759
Service Temperature	-40° to 150°F	-40° to 66°C	

- Application Ideas**
- High performance tape designed for use as a vapor seal on reinforced fiberglass and mineral wool thermal insulation

- Classifications**
- UL723 Classified (0/0 Flame/Smoke Rating) [UL file #R10984]

Storage Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40-50% relative humidity are recommended.

Shelf Life To obtain best performance, use this product within 24 months from date of manufacture.

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

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TR Venture 1529CW is an aluminium foil/expanded polyethylene laminate tape coated with a special cold weather acrylic pressure adhesive that combines superior quick stick at normal temperatures with superior low temperature performance. Designed for use as a vapour seal for reinforced aluminium faced fibreglass or mineral wool insulation, TR 1529CW has superior resistance to moisture and is recommended for use in high humidity conditions.

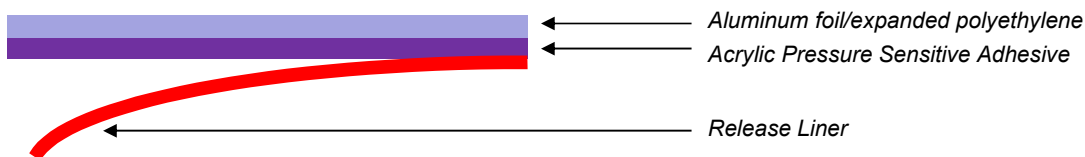


TR Tape

Features and Benefits

- UL723 Classified (0/0 Flame/Smoke Rating), UL file # R10984
- High performance tape designed for use as a vapour seal on aluminium faced insulation products
- Bonds and seals extremely well at temperatures as low as -12°C
- High performance solvent acrylic adhesive performs well over a wide temperature range

Product Construction



Test	Typical Value	Test Method
Product Thickness (excluding liner)	0.17mm	PSTC-133
Peel Adhesion (20 minute dwell)	9.7N/25mm	PSTC-101
Shear Adhesion	>24hrs@15.2kPa	PSTC-107
Tensile Strength	54.2N/25mm	PSTC-131
Elongation	20%	PSTC-131
Service Temperature	-40° to 116°C	

Typical values are not intended for use for product specification development. Technical data is believed to be true and accurate.

Technical details for ACUKF4-120 are on p96h

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Tape TR-4493

Code TR -4493

Description

Reinforced Aluminium Foil Tape #4493 48mm x 50m

Aluminium foil / Polyethylene mesh / film laminated backing, coated one side with a high tack and bonding synthetic adhesive (with flame resistant additives).

Release Liner: Silicone coated paper

Areas of use

The nature of the backing gives this product a rare combination of high strength, flexibility and conformability. Used for joining and securing flexible barrier duct wrap and acoustic products. The #4493 offers excellent moisture vapour protection on joints in insulation materials.

Reinforced Pipe Lagging Tape



TR Tape



TR Tape

Technical Data*

Roll size	48mm x 50metre
Colour	Silver
Thickness without liner	205 micron
Tensile Strength	100N / 25mm
Adhesion 180	25N/ 25mm
Elongation at break	25%
Temperature	-15°C to + 70°C
Tested to Australian Standard 1530 Part 3 - 1976: Test for early fire hazard properties of materials.	
Complies with requirements of Australian Standards 4254 - 2002	
Ductwork for air - handling systems in buildings.	
WVP - 0	

Surface Preparation

The surface on which the tape is to be used must be clean, dry and free from grease and dust. Remember that pressure sensitive adhesive must be applied with the maximum possible pressure in order to achieve maximum adhesion levels. The recommended application temperature is between 15°C and 25°C.

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