

EXPERT™ 2 Mil Foil Tape

3" x 150'; 4" x 150'

Submittal Date _____



Description

Knauf Insulation EXPERT™ 2 mil foil tape is specifically engineered and designed for general purpose seaming, patching and sealing to enhance appearance while maintaining moisture barrier integrity. The 2 mil, (50 micron) high strength aluminum foil conforms well to both Foil Scrim Kraft (FSK) faced insulation and sheet metal ducts, providing an excellent seal at normal and elevated temperatures, up to 200° F .

Features

- Specially formulated for extreme climates
- Dead soft aluminum foil
- Excellent adhesion and quick stick properties
- Made in the USA
- Application temperature as low as 0° F

Benefits

- Conformability to curved surfaces
- Strong bond to a variety of substrates
- Meets Parts 2 and 5 of Annex 1 of the IMO FTP Code
- Approved for use by the US Coast Guard in accordance with International Maritime Org. (IMO) A.653(16) and ISO 65659
- PSA complies with South Coast Air Quality Management District's (SCAQMD) Rule 1168

Application Techniques

- Primarily used for sealing fiber glass FSK products and sheet metal ducts.
- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil.
- Bond strength is dependent upon uniform pressure and the amount of adhesive-to-surface contact with substrate.
- Note that different pressure, time and temperature on different (firm/ rigid) surfaces achieves different performance results.

Construction

Adhesive: Acrylic

Carrier: Aluminum Foil

Liner: 60# Densified Kraft

LEED® Point Contributor

- Contributes to Energy Atmosphere (SA) Credit 1
- Contributes to Indoor Environmental Quality (IEC) Credit 4.1

Caution

The shelf life of the product is two year when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, in original packaging.

Physical Properties		Typical Values		
Thickness		US Mils	Metric	
Carrier		2.0	0.05	
Adhesive		1.7	0.04	
Liner		3.6	0.09	
Total		7.3	0.19	
*PSTC-133				
Peel Adhesion				
Product 180° 12" / min Initial @ 72°F / 22°C				
Substrate		Lbf / in	US Oz / in	N / Meter
SS		4.0	64	700
*PSTC-101, ASTM D-3330, STD-10				
Loop Tack				
Product 20" / min Initial				
Substrate		Lbf / in	US Oz / in	N / Meter
SS		6.0	96	1051
*PSTC-16, STD-7				
TLMI Release				
Product 90° 300" / min				
Substrate		Gf / 2 in w		
Product		30.0		
*PSTC-4, STD-8				
Static Shear				
Product @ 72°F / 22°C 1" sq (6.5 cm ²) 2500 g				
Substrate		Min to Fail		
SS		>1,000		
*PSTC-107, ASTM D 3654, STD-9				
VOC Content				
Substrate		g / L		
Product		<15		
*SCAQMD Rule 1168				
Temperature				
Min Application Temp		0°F	-18°C	
Max Continuous Operating Temp		200°F	93°C	
Max Intermittent Operating Temp		250°F	121°C	

*TEST METHODS

Note: The listed values are typical only and not intended to serve as product specifications