

EXPERT™ FSK Tape

3" x 150'; 4" x 150'

Submittal Date _____

Description

Knauf Insulation EXPERT FSK Tape is specifically engineered and designed for general purpose seaming, patching and sealing to enhance appearance while maintaining moisture and vapor barrier integrity for Foil Scrim Kraft (FSK) jacketed insulation products. The 8 mil, FSK excels in demanding temperature and humidity applications and provides superior performance and durability over a wide range of environmental conditions.

Features

- Tri-directional 8.0 mil FSK facestock reinforces and seals
- Specially formulated for extreme climates.
- High-strength reinforced facestock
- Made in the USA
- Foil laminate facing (FSK) is decaBDE free
- Application temperature as low as 0°F

Benefits

- Strong bond to a variety of substrates
- Excellent adhesion and quick stick properties
- Meets ASTM C-1136 Type II and Type IV
- PSA complies with South Coast Air Quality Management District's (SCAQMD) Rule 1168

Application Techniques

- Suitable for die-cut shapes, shielding, moisture and vapor barrier sealing components or lamination to insulation materials.
- 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: Foil Laminate

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 one 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		8.0	0.20	
Adhesive		1.7	0.04	
Liner		3.6	0.09	
Total		13.3	0.34	
*PSTC-133				
Peel Adhesion				
Product 180° 12" / min Initial @ 72°F / 22°C				
Substrate		Lbf / in	US Oz / in	N / Meter
SS		6.5	104	1138
*PSTC-101, ASTM D-3330, STD-10				
Tensile Elongation				
Product MD				
Sample		Lbf / in	%	
Product		40	<1	
Tensile Elongation				
Product CD				
Sample		Lbf / in	%	
Product		25	<1	
TLMI Release				
Product 90° 300" / min Initial				
Sample		Gf / 2 in w		
SS		40		
*PSTC-4, STD-8				
Static Shear				
Product @ 72°F / 22°C 1" sq (6.5 cm ²) 2500 g				
Sample		Min to Fail		
SS		>10,000		
*PSTC-107, ASTM D 3654, STD-9				
VOC Content				
Sample		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



General Use Tape Surface Burning Characteristics

UL 723	Flame Spread	15
	Smoke Developed	10