

# Foil-Scrim-Kraft(FSK)

# FSK-7351A

## Product Application

Foil Scrim Kraft or FSK insulation is a flame retardant, vapor-barrier, and is one of the most commonly used facings in the insulation industry today. A FSK insulation facing is made of lightweight aluminum foil that is layered against a fiberglass scrim and then paired with a final layer of natural brown kraft paper. This is then all laminated together using a flame-retardant adhesive.

FSK insulation is most commonly utilized with duct wrap, duct board, and mechanical spin-glass boards on the outward-facing, exposed surfaces of HVAC ductwork, but is also used in batts for exterior walls, and ceilings.

## Facing Composition

Facing Composition	Description	Value(English)	Value(Metric)
Foil	Aluminum	0.28 mil	7 micron
Reinforcing - MD	Fiberglass	2 /inch	8 /100mm
Reinforcing - XD	Fiberglass	3 /inch	12 /10mm
Adhesive	Glue	-----	-----
Kraft	Natural	30 lbs/3000 ft2	55gsm

## Typical Physical Properties

Physical Properties	Test Method	Value(English)	Value(Metric)
Basis Weight	Scale	16 lbs/ 1000ft2	78 gsm
Permeance (WVTR)	ASTM E96,Procedure A	0.1 perm	5.75 ng/N.s
Tensile Strength - MD	ASTM D828	26 lbs/lb	115 N/25mm
Tensile Strength - XD	ASTM D828	11.5 lbs/lb	50 N/25mm
Burst Strength	ASTM D774	43.5 psi	30 N/cm2
Low Temperature Resistance	ASTM D1790 4hrs @-40°F(-40°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM D1790 4hrs @+240°F(+116°C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Dimensional Stability	ASTM D1204@°150F(65°C)	Less than 0.5%	Less than 0.5%
Emissivity	ASTM E408	0.03	0.03

**Available Roll Width: 1.0m,1.2m,1.25m Available Roll Length: 50m,60m,200m,or be customized**

## Remarks:

1. The data above are typical values only, and should not be used for specifications purpose.
2. Tolerance: Weight and Thickness:  $\pm 10\%$ ; Width:  $\pm 3\text{mm}$ ; Length: Log Roll:  $\pm 0.3\text{m}$ , Jumbo Roll  $\pm 0.5\%$ .
3. The products should be stored at room temperature, kept away from wet and heat source.
4. The users should take test and do trial-application on the above products before coming into application so as to witness and ensure suitability for their special purpose and technique.

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