



SkyFlex

Specification Sheet

Air Barrier

SkyFlex is a flexible sheet air barrier used to separate conditioned air from any given unit or adjacent unit of unconditioned or partially conditioned space in residential and commercial buildings. SkyFlex air barrier Low-e surfaces provide additional value to reduce radiant heat transfer when exposed to air films or enclosed air spaces in wall systems.

SkyFlex solid version consists of two layers of aluminum deposited on a layer of woven polyethylene and can be used as a vapor retarder.

SkyFlex VT version consists of a vapor transmitting CLAF[®] fabric reinforced metalized film and is a leading choice among architects and building science experts who advocate letting the envelope dry for moisture control and overall better indoor air quality.

Product Information

SkyFlex (Solid)

Width of Roll	48"	51"
Diameter	5"	5"
Lineal Footage	125'	118'
Coverage (Sqft)	500	500
Weight (lbs)	10	10

SkyFlex VT (Vapor Transmitting)

Width of Roll	48"
Diameter	5"
Lineal Footage	125'
Coverage (Sqft)	500
Weight (lbs)	10

Test Data

	SOLID	VT
ASTM E2178 Air Permeability	<0.02 L/(s·m ²)@75 Pa	<0.004 L/(s·m ²)@75 Pa
ASTM E96 Water Vapor Permeance	<0.1	>10
ASTM C1371 Emissivity	0.05	0.25 Mesh side (bright) 0.20 Film side (Matte)
FLAMMABILITY CLASS A		
ASTM E84 Flame Spread	<25	<25
ASTM E84 Smoke Developed	<50	<50

Emittance

	Emittance	Notes
Aluminum Foil	0.03 - 0.05	Emmissivity is the ratio of total radiant flux emitted by a body to that emitted by an ideal black body at the same temperature. Emittance ranges from 0.0 - 1.0, the lower the better thermal performance.
Other Low-e Material	0.11 - 0.25	
Other Common Building Materials including wood, masonry and standard mass insulation	0.82 - 0.90	

Thermal Performance

Adds R-Value when used with cavity air space in typical wall systems

	SOLID	VT
Wall Exposed to Attic	R-1.7	R-1.4
0.75" Enclosed Air Space	R-2.9	R-2.0
1.50" Enclosed Air Space	R-2.6	R-1.8

R-value is the resistance to heat flow calculated using the Thermal Resistance Tables from the ASHRAE Handbook.

Compliance & Approvals

IAPMO UEL 5003

For additional product information and installation instructions visit:

Fifoil.com/skyflex



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