



DUAL WALL FACED INSULATION

APPLICATION

Eastern Sheet Metal Duct Liner is traditionally used in rectangular duct without any additional erosion protection. When used in dual wall applications you get the full benefit of an insulation designed specifically for HVAC applications such as a maximum velocity of 6,000 FPM. The black fiberglass mat surface faces the airstream.

SPECIFICATION COMPLIANCE

ACTM C 1071 Type 1, Flexible
 NFPA 90A/90B
 ICC Compliant
 California Title 24
 NAIMA Fibrous lass Duct Liner
 Insulation Standard
 Conforms to ASHRAE 62-2001

AVAILABILITY AND THERMAL PERFORMANCE

THICKNESS		R-VALUE		K-VALUE	
IN	MM	IP	SI	IP	SI
1	25	4.2	0.74	0.24	0.035
2	51	8	1.41	0.24	0.035

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Operating Temp	ASTM C 411	250°F / 121°C
Maximum Air Velocity	ATTM C 1071	6,000 fpm / 30.5 m/s
Water Vapor Sorption	ASTM C 1104	<3% @ 120°F/49°C 95% RH
Fungi Resistance	ASTM C 1338	Meets Requirements
Fungi Resistance	ASTM G 21	Meets Requirements
Bacteria Resistance	ASTM G 22	Meets Requirements
Corrosiveness	ACTM C 665	Meets Requirements
Thermal Conductivity	ACTM C 518	Btu-in/hr·°F = .24
Thermal Conductivity	ACTM C 518	W/m·°C = .035

Surface Burning Characteristics

Flame Spread	ASTM E84	25
Smoke Developed	AND UL723	20

SOUND ABSORPTION COEFFICIENTS

THICKNESS		OCTAVE BAND CENTER FREQUENCIES (Hz)						
IN	MM	125	250	500	1000	2000	4000	NRC
1	25	0.05	0.3	0.6	0.87	0.98	1.05	0.7
2	51	0.12	0.66	1.04	1.08	1.04	1.07	0.95

LIMITATIONS

Do not use with wood or coal fired equipment, or equipment of any type that does not include maximum temperature controls and where operating temperatures of 250°F / 121°C may be exceeded.

Do not use in kitchen or fume exhaust ducts, or any ducts conveying solids or corrosive gases.

Do not use in any application where the duct liner may come in direct contact with liquid water, such as cooling coils, humidifiers, and evaporative coolers, unless protected from the water source.

Do not use adjacent to high temperature heating coils.