

DUAL WALL

APPLICATION		AVAILABILITY AND THERMAL PERFOMANCE								
Eastern dual wall spiral duct with	т	THICKNESS			R-VALUE		K-VALUE			
our new E-Free insulation,	IN		MM	IP		SI	IP		SI	
specially designed to keep	1		25	4.2		0.74	0.24	4 (0.035	
fiberglass out of the airstream, is the cost effective answer to the	2		51	8		1.41	0.24	4 (0.035	
expensive and cumbersome use of Mylar barriers or rubber insulation in dual wall applications.										
	TYPICAL PHYSICAL PROPERTIES									
	PROPERTY			TES	TEST METHOD		VALUE			
	0	Operating Temp			ASTM C 411		250°F / 121°C			
E-Free Insulation has a smooth and durable black mat bonded to the light yellow insulation blanket. The durable black 12 mil thick polyester and rayon is installed facing the airstream, isolating the fiberglass substrate from the airstream. This unique mat facing is treated with flame retardant, antimicrobial, and water repellent agents.	Maximum Air Velocity			y Al	ATTM C 1071		5,000 fpm / 25.4 m/s			
	Wate	Water Vapor Sorption			ASTM C 1104		<3% @ 120°F/49°C 95% RH			
	Fungi Resistance			AS	ASTM C 1338		Meets Requirements			
	Fu	Fungi Resistance			ASTM G 21		Meets Requirements			
	Corrosiveness				ACTM C 665		Meets Requirements			
		Thermal Conductivity			ACTM C 518		Btu·in/hr·°F = .24			
	Ther	Thermal Conductivity			ACTM C 518		W/m·°C = .035			
	Surface Burning Characteristics									
	Flame Spread				ASTM E84		25			
	Sm	Smoke Developed			AND UL723		20			
SPECIFICATION COMPLIANCE										
NFPA 90A/90B							ER FREQUENCIES (Hz)			
Conforms to ASHRAE 62-2001	IN	MM	125	250	500	100		4000	NRC	
	1	25	0.06	0.33	0.73	0.99	9 1.06	1.05	0.8	

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.