

ToughGard® Ultra*Round® Spiral Duct Liner



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CertainTeed ToughGard Ultra*Round® spiral duct liner provides many benefits to both the contractor and building owner:

- Eliminates the cost of perforated metal lining required for double wall construction
- Simplifies fabrication and installation in the shop and on the job
- Reduced weight compared to double wall construction
- May eliminate the need for pins and adhesives in most straight duct sections
- Improves acoustical performance over double wall systems
- Lower installed cost
- Tough, durable and cleanable airstream surface that contains an EPA-registered antimicrobial agent

AVAILABLE SIZES								
Product			Dimensions		Application		Quantity/Pallet	
Type	Thickness		Width x Length		Metal Unfinished Duct Interior Dimensions		Pieces	Area
	in.	mm	in.	mm	in.	mm		
SD	1	25	48 x 120	1,219 x 3,048	12 to 26	305 to 660	45	1,800 ft. ² 167.2 m ²
LD					28 and larger	711 and larger		
SD	1.5	38			20 to 38	508 to 965	30	1,200 ft. ² 111.5 m ²
LD					40 and larger	1016 and larger		
SD	2	50			28 and larger	711 and larger	22	880 ft. ² 81.7 m ²

THERMAL PERFORMANCE							
Product		K-Value		C-Value		R-Value	
Thickness		btu•in.	w	btu	w	h•ft. ² •°F	m•°C
in.	mm	h•ft. ² •°F	m•°C	h•ft. ² •°F	m•°C	btu	w
1	25	0.23	0.033	0.23	1.31	4.30	0.76
1.5	38			0.15	0.87	6.50	1.15
2	50			0.12	0.65	8.70	1.53

Thermal conductance (C) and resistance (R) values are derived from the material thermal conductivity (K-Value). Tested in accordance with ASTM C518 and/or ASTM C177 at 75°F (24°C) mean temperature.

ACOUSTICAL PERFORMANCE								
Product		Absorption Coefficients @ Octave Band Frequencies (Hz)						
Thickness		125	250	500	1,000	2,000	4,000	NRC
in.	mm							
1	25	0.07	0.21	0.74	0.98	1.05	1.04	0.75
1.5	38	0.12	0.49	1.02	1.10	1.06	1.07	0.90
2	50	0.17	0.76	1.05	1.02	0.95	0.96	0.95

Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.



CertainTeed Corporation

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20 Moores Road Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 certainteed.com