

CertainTeed

ToughGard® Ultra*Round

Spiral Duct Liner

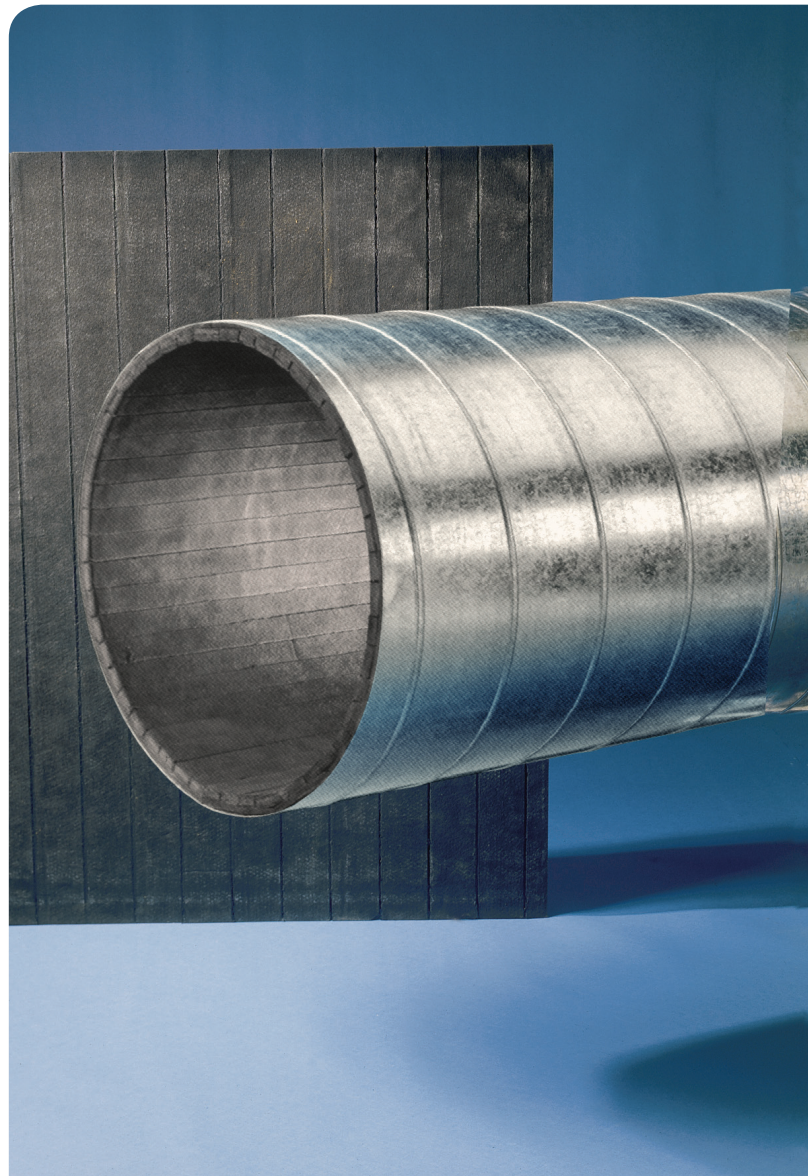
ToughGard® Ultra*Round Spiral Duct Liner

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 air stream surface that contains an EPA registered antimicrobial agent.

The CertainTeed Advantage

- Quality insulation solutions from a name you can trust.
- An insulation industry leader for nearly 50 years.
- Comprehensive offering of residential and commercial products.



ToughGard® Ultra*Round Spiral Duct Liner Specifications

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	1219 x 3048	12 to 26	305 to 660	45	1800 ft. ² 167.2 m ²
LD					28 and larger	711 and larger		
SD	1.5	38			20 to 38	508 to 965	30	1200 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 ² • °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	1000	2000	4000	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.



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CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482

Professional: 800-233-8990
Consumer: 800-782-8777
www.certainteed.com/insulation

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