

## ToughGard® Fiber Glass Duct Liner Products

CONTRACTOR NAME \_\_\_\_\_

JOB NAME \_\_\_\_\_

DATE \_\_\_\_\_

Please check the appropriate products below:

- ToughGard® T Textile Duct Liner
- ToughGard® R Duct Liner
- ToughGard® Rigid Liner Board

### TECHNICAL DATA

TOUGHGARD® DUCT LINER PRODUCTS		
PROPERTIES	PERFORMANCE	TEST METHOD
Operating Limits: Temperature Air Velocity	Maximum: 250°F (121°C) 6,000 fpm (30.5 m/s)	ASTM C411 ASTM C1071
Surface Burning Characteristics Fire Hazard Classification	Maximum: Flame Spread Index: 25 Smoke Developed Index: 50	CAN/ULC S102 UL 723 ASTM E84
Water Vapor Sorption	≤ 3% by Weight	ASTM C1104
Corrosiveness	Pass	ASTM C665
Fungi Resistance	Pass; No growth	ASTM C1138, ASTM G21
Bacteria Resistance	No growth	ASTM G22
Limited Combustible	Pass (< 3,500 Btu/lb)	NFPA 259
Fire Safety Standards	Pass	NFPA 90A, NFPA 90B
Water Repellency rating	≥ 4 INDA IST 80.6-92	

Model Building Codes: ICC

This Submittal Form is provided to assist you in specifying and selecting the proper CertainTeed insulation product. Basic product descriptions and performance data are included. For further information or technical assistance contact your local CertainTeed representative.

CertainTeed Corporation, P.O. Box 860, Valley Forge, PA 19482  
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Product	Description	Type	Thickness		R-Value		NRC	Applicable Standards
			in	mm	R	RSI		
ToughGard® T Textile Duct Liner	A textile-type fiber glass acoustical liner for HVAC sheet metal duct systems, operating velocities up to 6,000 fpm (30.5 m/s) and temperatures to 250°F (121°C), to absorb unwanted crosstalk, equipment and air rush noise.	150	1	25	4.0	0.70	0.65	Complies with ASTM 1071, Type I, rolls or Type II, sheets insulation. Thermal performance determined by ASTM C177 or ASTM C518. Acoustical performance determined by ASTM C423 using Type A mounting per ASTM E795.
		150	1 1/2	38	6.0	1.06	0.80	
		150	2	51	8.0	1.41	0.90	
		R 4.2	1	25	4.2	0.74	0.70	
		200	1/2	13	2.0	0.35	0.45	
		200	1	25	4.2	0.74	0.70	
		200	1 1/2	38	6.0	1.06	0.80	
		200	2	51	8.0	1.41	0.85	
		R 6.3	1 1/2	38	6.3	1.11	0.90	
		300	1/2	13	2.1	0.37	0.45	
ToughGard® R Duct Liner	A fiber glass acoustical liner for HVAC sheet metal duct systems, operating at velocities up to 6,000 fpm (30.5 m/s) and temperatures to 250°F (121°C), to absorb unwanted crosstalk, equipment and air rush noise.	150	1	25	4.2	0.73	0.70	Complies with ASTM 1071, Type I, rolls insulation. Thermal performance determined by ASTM C177 or ASTM C518. Acoustical performance determined by ASTM C423 using Type A mounting per ASTM E795.
		150	1 1/2	38	6.3	1.10	0.80	
		150	2	51	8.3	1.47	0.90	
		200	1/2	13	2.1	0.37	0.45	
ToughGard® Rigid Liner Board	A rigid board-type acoustical and thermal fiber glass insulation for lining the interior of sheet metal ducts and plenums in HVAC systems, operating at velocities up to 6000 fpm (30.5 m/s) and temperatures up to 250°F (121°C), to quiet HVAC noise by absorbing unwanted crosstalk, equipment and air rush noise and reduce unwanted heat gain or loss.	n/a	1	25	4.3	0.77	0.70	Complies with ASTM 1071, Type II, sheets insulation. Thermal performance determined by ASTM C177 or ASTM C518. Acoustical performance determined by ASTM C423 using Type A mounting per ASTM E795.
		n/a	1 1/2	38	6.5	1.15	0.80	
		n/a	2	51	8.7	1.53	0.95	



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

Professional: 800-233-8990  
Consumer: 800-782-8777