

CertainTeed

Specification Sheet

QuikSeal™ and Standard Duct Wrap Insulation

1. PRODUCT NAME

CertainTeed QuikSeal™ and Standard Duct Wrap Insulation

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Basic Use: CertainTeed QuikSeal and Standard Duct Wrap Insulation are used to insulate rectangular and round heating, ventilating and air conditioning ductwork. The product offers outstanding thermal properties that reduce unwanted heat loss or gain and condensation during system operation. Duct Wrap operates in most heating, ventilating and air conditioning ductwork at temperatures from 35°F to

250°F (1.7°C to 121°C) for faced Duct Wrap, and from 35°F to 350°F (1.7°C to 177°C) for unfaced Duct Wrap.

Composition and Materials: QuikSeal is a blanket-type insulation is composed of glass fibers bonded together with a thermosetting resin. The FSK or vinyl-film vapor retarder facing has a pressure-sensitive tape and release liner system applied to the 2" (51mm) tape/stapling tab on one edge of the facing. Standard Duct Wrap is a similar product, available unfaced or faced, with a tape/stapling tab on one edge of the facing.

Sizes: Available sizes as shown in the table below.

Limitations: The product should be kept clean and dry from the time of manufacture through job site installation.

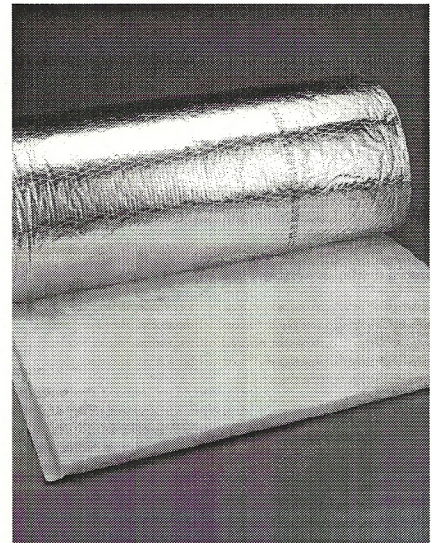
4. TECHNICAL DATA

Applicable Standards:

- Model Building Codes: CABO, BOCA, ICBO, SBCCI, ICC
- ASTM C1290, ASTM C553



QuikSeal



Standard

PRODUCTS Type	Facing	THICKNESS		LENGTH		WIDTH	
		in.	(mm)	ft.	(m)	in.	(mm)
75 0.75 pcf	Plain	1	(25)	100	(30.5)	9-72	(229-1829)
		1½	(38)	100	(30.5)		
		2	(51)	75	(22.9)		
		2½	(64)	75	(22.9)		
	FSK-QST, Vinyl	1½	(38)	100	(30.5)	48	(1219)
		2	(51)	75	(22.9)		
		2½	(54)	75	(22.9)		
		2¼	(57)	75	(22.9)		
		2½	(64)	75	(22.9)		
		3	(76)	50	(15.2)		
100 1.0 pcf	Plain	1	(25)	100	(30.5)	9-72	(229-1829)
	FSK-QST, Vinyl	1	(25)	100	(30.5)	48	(1219)
		1½	(38)	100	(30.5)		
		2	(51)	75	(22.9)		
150 1.5 pcf	FSK-QST, Vinyl	1½	(38)	75	(22.9)	48	(1219)
		2	(51)	50	(15.2)		

- NFPA 90A, NFPA 90B
- FSK facing meets the requirements of ASTM C1136-95, Type II
- FSK facing has a 0.02 perm rating, while the vinyl facing has a 1.3 perm rating

Thermal Performance: Tested in accordance with ASTM C 518 &/or ASTM C 177 at 75°F (24°C) mean temperature.

CertainTeed Duct Wrap is installed with the facing out. Adjacent sections of duct wrap shall be tightly butted with the 2" taping flap overlapping. Seams

6. AVAILABILITY AND COST

Manufactured and sold throughout the United States and Canada. For availability and cost, contact your local distributor or call CertainTeed in Valley Forge, PA at (800) 233-8990.

TESTED IN ACCORDANCE WITH ASTM C 518 &/OR ASTM C 177 AT 75°F (24°C) MEAN TEMPERATURE. THERMAL									
Product		K-Value		C-Value		R-Value		Installed R-Value	
Type	Thickness in (mm)	Btu-in/(h·ft ² ·°F)	W/(m·°C)	Btu/(h·ft ² ·°F)	W/(m ² ·°C)	(h·ft ² ·°F)/Btu	(m ² ·°C)/W	(h·ft ² ·°F)/Btu	(m ² ·°C)/W
75	1½ (38)	0.28	0.040	0.19	1.06	5.4	0.95	4.2	0.74
	2 (51)			0.14	0.79	7.1	1.25	5.6	0.99

7. WARRANTY

Refer to CertainTeed's Limited Lifetime Insulation Warranty for Duct Wrap (30-35-001). Inasmuch as CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing their products.

Acoustical Performance: Typical sound transmission loss values on 20 gauge sheet metal when tested in accordance with ASTM E 90.

shall be sealed with either a pressure sensitive foil tape or with an integral adhesive system (such as that found on CertainTeed's QuikSeal).

TYPICAL SOUND TRANSMISSION LOSS VALUES FOR PREMIUM DUCT WRAP WITH QUIKSEAL TAB ON 20 GAUGE SHEET METAL WHEN TESTED ACCORDING TO ASTM E 90.						
Product 75 FSK	Transmission Loss in dB at FREQUENCIES (Hz)					
Thickness in. (mm)	125	250	500	1000	2000	4000
1½ (38)	13	17	26	34	45	55
2 (51)	13	17	26	36	47	58

Where rectangular ducts are 24" in width or greater, CertainTeed Duct Wrap shall be additionally secured to the bottom of the duct with mechanical fasteners spaced 18" o.c. to prevent sagging.

Where a vapor retarder is required, seams shall be sealed with pressure-sensitive tape matching the insulation facing. Seal all tears, punctures, and/or other penetrations of the duct wrap facing with tape or mastic to provide a vapor-tight system.

8. MAINTENANCE

An inspection and preventative maintenance program for the HVAC system is recommended to ensure optimum performance.

Quality Control: CertainTeed participates in the NAHB Research Center Certification and Labeling Program. CertainTeed production facilities are certified to ISO 9002 standards.

9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling Technical Services in Valley Forge, PA, (800) 233-8990.

5. INSTALLATION

Sheet metal ductwork shall be clean, dry and sealed tightly prior to insulating with CertainTeed Duct Wrap.

To ensure installed thermal performance, CertainTeed Duct Wrap shall be cut to "stretch-out" dimensions. This requires measurement of the duct perimeter, then cutting the duct wrap to the dimensions (perimeter + add-on) indicated in the stretch-out table. A 2 piece of insulation shall be removed from the facing at the end of the piece of insulation to form an overlapping stapling and taping flap.

For additional installation details, consult the National Commercial and Industrial Insulation Standards (current edition) published by the Midwest Insulation Contractors Association (MICA).

10. FILING SYSTEMS

Additional product information available upon request.

Visit us on our website at www.certainteed.com for the most up-to-date product information.

Product Label Thickness in. (mm)	Average Installed Thickness in. (mm)		Stretch-Out Dimensions ¹		
			Round Duct in. (mm)	Square Duct in. (mm)	Rectangular Duct in. (mm)
1.5 (38)	1.12 (29)	P+	9.5 (241)	8 (203)	7 (178)
2 (51)	1.5 (38)	P+	12 (305)	10 (254)	8 (203)
2.25 (57)	1.69 (43)	P+	13.5 (343)	11.5 (292)	9 (229)
2.5 (64)	1.88 (48)	P+	14.5 (368)	12.5 (318)	9.5 (241)
3 (76)	2.25 (57)	P+	17 (432)	14.5 (368)	11.5 (292)

(1) The stretch-out dimension is equal to the duct perimeter (P) plus the add-on factor for the type of duct being installed.

