
Submittal Form

RHT Industrial Insulation Products



Submitted to: _____

Job Name: _____

Submitted by: _____

Date: _____

This Submittal Form is provided to assist you in specifying and selecting the proper ROXUL® Insulation product. Included are basic performance data and product descriptions. For further information and data updates contact your local ROXUL® representative or Technical Service.

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www.roxul.com

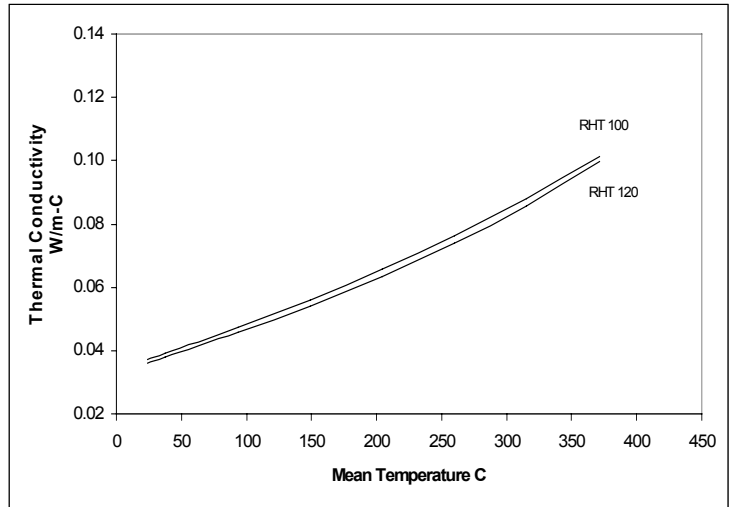
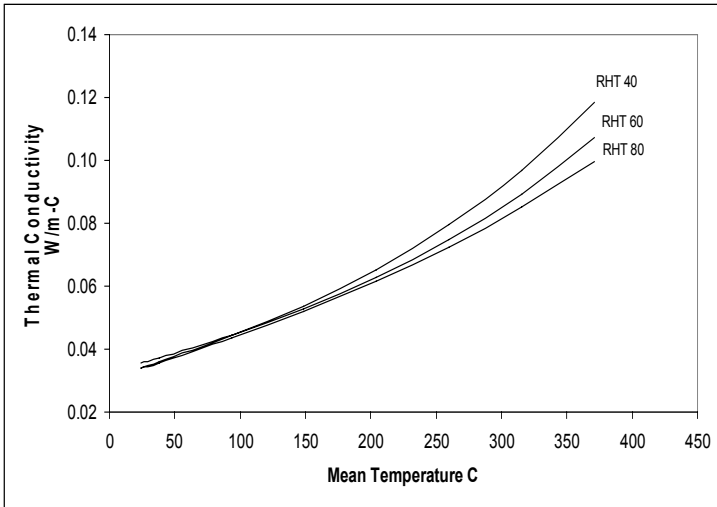
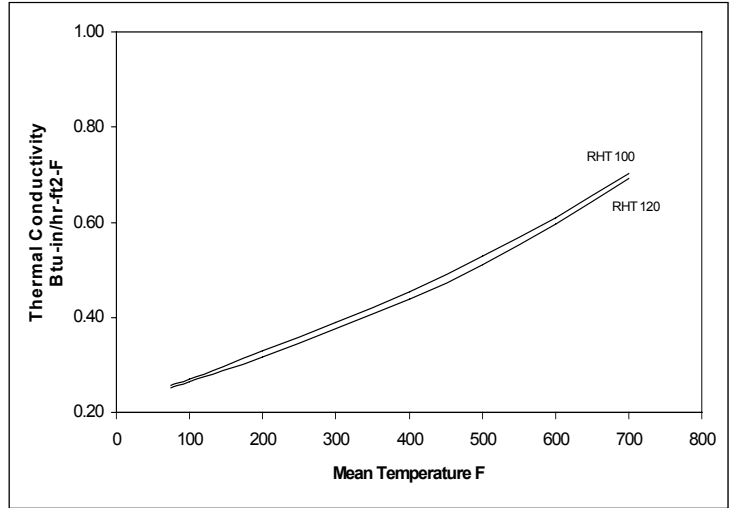
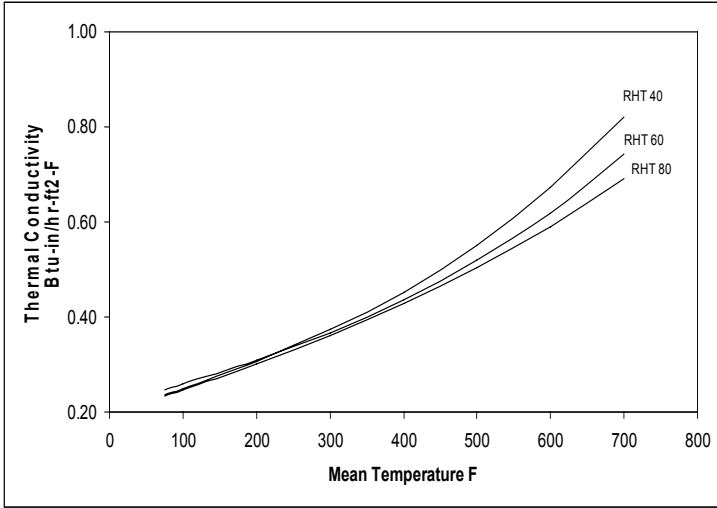
ROXUL® products are mineral wool fiber insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. **ROXUL®** mineral wool is a water repellent yet vapor permeable material.

Product	Description	Thermal Resistance	Nominal Thickness	Location	Specification Standard		
ROXUL® RHT Series RHT 40 RHT 60 RHT 80	Non-combustible boards that are lightweight, water repellent and designed for general commercial construction, storage tank insulation, drying and oven equipment, petro-chemical and power generating equipment protection where high temperature insulation having durability, flexibility (RHT40,60) and compressive resistance (RHT80, 100, 120) is required in a variety of thermal, acoustic and fire applications. Facings available: <u>RFF</u> Flame Spread 5 Smoke 0 Perm 0.02 <u>ASJ</u> Flame Spread 18 Smoke 7 Perm 0.02	R-4.2	1"		ASTM C612, RHT40 Type IVA, RHT 60,80,100,120 Type IVB, MEA 330-97-M, C136 non-combustible, UL 723(ASTM E84) Unfaced Flame Spread 0, Smoke Developed 0, ASTM C411, R values - C518/177 at 75F mean. Attached Thermal Conductivity Table, ASTM C518, 177, at various mean temperatures. C356 @1200F, RHT 40 1.92%, RHT 60 1.64%, RHT 80 1.24%, RHT 100 0.59%, RHT 120 1.6%. C1104 RHT 40 0.03%, RHT 60 0.01%, RHT 80 0.04%, RHT 100 0.04%, RHT 120 0.01%. ASTM C665, C795, C871.		
		R-6.3	1.5"				
		R-8.4	2"				
		R-10.5	2.5"				
		R-12.6	3"				
		R-14.7	3.5"				
		R-16.6	4"				
		R-21.0	5"				
		R-25.2	6"				
		RHT 100		R-4.0		1"	
		RHT 120		R-6.0		1.5"	
				R-8.0		2"	
				R-10.0		2.5"	
				R-12.0		3"	
				R-14.0		3.5"	
		R-16.0	4"				
		R-20.0	5"				
		R-24.0	6"				

Acoustical Performance ASTM C423 Co-Efficients at Frequencies

Product	Thickness	Hz						
		125	250	500	1000	2000	4000	NRC
RHT 40	1.5"	0.15	0.47	0.98	1.06	1.02	1.02	0.90
	2.0"	0.26	0.68	1.14	1.13	1.06	1.07	1.00
	3.0"	0.62	1.03	1.20	1.10	1.08	1.10	1.00
	4.0"	1.07	1.01	1.07	1.06	1.07	1.06	1.05
RHT 60	1.5"	0.19	0.55	1.03	1.06	1.02	1.01	0.90
	2.0"	0.26	0.71	1.14	1.09	1.04	1.03	1.00
	3.0"	0.65	0.94	1.13	1.07	1.06	1.04	1.05
	4.0"	0.92	1.04	1.07	1.07	1.07	1.08	1.05
RHT 80	1.5"	0.17	0.58	1.06	1.07	1.00	0.99	0.95
	2.0"	0.39	0.84	1.08	1.01	1.02	1.01	1.00
	3.0"	0.68	0.92	1.08	1.03	1.03	1.03	1.00
	4.0"	1.00	0.95	1.06	1.04	1.06	1.08	1.05
RHT 100, 120	1.0"	0.11	0.31	0.82	1.01	1.02	1.01	0.80
	1.5"	0.21	0.64	0.92	1.00	0.95	1.01	0.90
	2.0"	0.43	0.78	0.90	0.97	0.97	1.00	0.90
	3.0"	0.75	0.82	0.89	0.94	1.00	1.00	0.90

Thermal Performance





	Specification Compliance	
	ASTM C612	
	Type IVA	Type IVB
ROXUL RHT 40	+	
ROXUL RHT 60		+
ROXUL RHT 80		+
ROXUL RHT 100		+
ROXUL RHT 120		+