RESURGAM CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/21/17

RHT 80 Architectural/OEM

Wall Insulation

General Product Information:

ROXUL products are mineral wool fibre insulations made from basalt rock and steel 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 vapour permeable material. It absorbs water only when water is pressed or forced into the material and once the pressure is relieved, the water will evaporate without any loss of integrity to the material's shape or insulating properties.

All ROXUL products are certified to carry the Environmental Choice logo.

Description & Common Applications:

The RHT 80 product is a non-combustible, rigid mineral wool insulation board that is water repellent and delivers exceptional life cycle performance and value in a diversity of thermal, acoustic and fire protection applications. RHT 80's excellent moisture resistance, non-combustibility and dimensional stability make it the ideal choice for curtain wall applications. The product can be specified with confidence in a variety of building envelope designs, parking garages, acoustic and OEM applications.

Compliance and Performance

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IV, Complies
CAN/CGSB 51.10-92	Mineral Fibre Board Thermal Insulation	Type 1, Class 4
CSA Approval	New York City Approval	332-97-M
Fire Performance		
ASTM E 136	Behaviour of Materials at 750°C (1382°F)	Non-Combustible
CAN4 S114	Test for Non-Combustibility	Non-Combustible
UL 723	Surface Burning Characteristics	Flame Spread = 0
(ASTM E 84)		Smoke Developed = 0
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0
		Smoke Developed = 0
Maximum Service Temperature		
ASTM C 411	Hot Surface Performance	No Reaction @ 1200°F (650°C)
Dimensional Stability		
ASTM C 356	Linear Shrinkage	1.24% @ 1200°F (650°C)
Moisture Resistance		
ASTM C 1104	Moisture Sorption	0.04%
Corrosion Resistance		
ASTM C 665	Corrosiveness to Steel	Passed
ASTM C 795	For use with Austenitic Stainless Steel	No Reaction
ASTM C 871	Chemical Analysis	Passed
Thermal Resistance		
ASTM C 518 (C 177)	R-value @ 75°F (24°C)	4.2/inch
	k-value @ 75°F (24°C)	0.24 Btu.in/ft².hr.°F

Supersedes: 11 January 1999
Revised: 23 April 1999