

# ROXUL

The Better Insulation

Wall Insulation

## Technical Product Information

BOARD INSULATION 072/10

RHT 80

Architectural/OEM

### 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 CAN/CGSB 51.10-92 IA Approval	Mineral Fiber Block and Board Thermal Insulation Mineral Fibre Board Thermal Insulation New York City Approval	Type IV, Complies Type 1, Class 4 332-97-M
Fire Performance ASTM E 136 CAN4 S114 UL 723 (ASTM E 84) CANULC S102	Behaviour of Materials at 750°C (1382°F) Test for Non-Combustibility Surface Burning Characteristics Surface Burning Characteristics	Non-Combustible Non-Combustible Flame Spread = 0 Smoke Developed = 0 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 865 ASTM C 795 ASTM C 871	Corrosiveness to Steel For use with Austenitic Stainless Steel Chemical Analysis	Passed No Reaction Passed
Thermal Resistance ASTM C 518 (C 177)	R-value @ 75°F (24°C) k-value @ 75°F (24°C)	4.2/inch 0.24 Btu.in/ft <sup>2</sup> .hr.°F

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