

WOOL

RHT

Description

These mineral wool fiber insulating sheets are made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F, which gives it excellent fire resistance properties. This mineral wool is impervious to water, but remains permeable to water vapor.



Applications

The mineral wool sheets are non-combustible, are lightweight, water repellent and designed to allow for various application requirements. They are recommended as pipe and tank insulation where temperature demands as well as moisture resistance are critical. They possess a low moisture absorption, are non-corrosive and are chemically inert.

Specifications

Technical Data

Compliance and performance : Mineral fiber block and board - ASTM C612 RHT 40	Type IVA
Compliance and performance : Mineral fiber block and board - ASTM C612 RHT 60, RHT 80	Type IVB
Maximum service temperature - ASTM E136/CAN4-S114 RHT 40, RHT 60, RHT 80	Non-combustible
Fire performance : Surface burning characteristics - CAN/ULC S102 RHT 40, RHT 60, RHT 80	Flame spread index = 0, Smoke development index = 0
Maximum service temperature : Hot surface performance - ASTM C411 RHT 40, RHT60, RHT 80	650°C (1200°F)
Dimensional stability - Linear shrinkage - ASTM C356 RHT 40, RHT 60, RHT 80	Less or equal to 1 % à 650°C (1200°F)
Moisture resistance : Humidity absorption (water/vapor) - ASTM C1104 RHT 40, RHT 60, RHT 80	Less or equal to 0.01 %

Corrosion resistance : Corrosion of steel - ASTM C665 RHT 40, RHT 60, RHT 80	Passed
Corrosion resistance : Stress corrosion cracking tendency of austenitic stainless steel - ASTM C692 RHT 40, RHT 60, RHT 80	Passed
Thermal resistance : R value / inch at 75°F (RSI value for 25.4 mm at 24°C) - ASTM C518 (C177) RHT 40, RHT 60, RHT 80	4.2/hr.ft².F/BTU (0.74 m² K/W)
Density - ASTM C303 RHT 40	Actual: 3.5b/pi³ (56kg/m³), Nominal: 4lb/pi³
Density - ASTM C303 RHT 60	Actual: 4.4lb/pi³ (70kg/m³), Nominal: 6lb/pi³
Density - ASTM C303 RHT 80	Actual: 5.8lb/pi³ (93kg/m³), Nominal: 8lb/pi³

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.