

General Product Information:

ROXUL® products are mineral wool fibre 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 vapour permeable material.

Description & Common Applications:

ROXUL ConRock® is a board insulation product designed specifically for application in sandwich panel systems where excellent thermal and fire resistance properties are required. This rigid board has excellent acoustical dampening properties and is dimensionally stable which makes it ideal for installation in panel applications. The product does not encourage the growth of fungi, molds or bacteria.

Compliance and Performance:

| | | |
|-------------------|--|----------------------|
| ASTM C 612 | Mineral Fiber Block and Board Thermal Insulation | Type IVA, Complies |
| ASTM E 84 (UL723) | Surface Burning Characteristics | Flame Spread = 0 |
| | | Smoke Developed = 5 |
| CAN/ULC S102 | Surface Burning Characteristics | Flame Spread = 0 |
| | | Smoke Developed = 10 |
| ASTM E 136 | Behavior of Materials at 750°C (1382°F) | Non-Combustible |
| CAN4 S114 | Test for Non-Combustibility | Non-Combustible |

Moisture Resistance:

| | | |
|-------------|-------------------|-------|
| ASTM C 1104 | Moisture Sorption | 0.05% |
|-------------|-------------------|-------|

Dimensional Stability:

| | | |
|------------|------------------|-------|
| ASTM C 356 | Linear Shrinkage | 0.19% |
|------------|------------------|-------|

Thermal Resistance:

| | | |
|--------------------|--------------------------|------------------|
| ASTM C 518 (C 177) | R-value/inch @ 75°F | 4.0 hr.ft².F/Btu |
| | RSI value/25.4 mm @ 24°C | 0.71 m²K/W |

Corrosion Resistance:

| | | |
|-----------------|---|----------|
| ASTM C 665 | Corrosiveness | Passed |
| ASTM C 795 **** | Stainless Steel Stress Corrosion Specification as per Test Methods C871 and C692: U.S. Nuclear Regulatory Commission, Reg. Guide #1.36: U.S. Military Specifications MIL-I-24244 (all versions including B and C) | Conforms |

Density:

8.5 lbs/ft³ 136 kg/m³

Compressive Strength

ASTM C 165 at 10% 4" Board: 6.64 psi (45.8 kPa)

Dimensions:

For details on sizing, please contact our customer service representatives

Other ROXUL Products:

Please consult ROXUL for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.

**** "Provisions for lot testing may be required, consult manufacturer."

*MASTER FORMAT 1995 EDITION **MASTER FORMAT 2004 EDITION

Note:

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