

ROXUL CAVITYROCK®

Cavity Wall and Rainscreen Insulation

Product Description & Application

ROXUL CAVITYROCK® is a semi-rigid, mineral wool insulation board designed for exterior cavity wall and rainscreen applications.

| | Performance | Test Standard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|--|--------|---------|--------|---------|--------|-----------|-----|-----------|------|------|------|------|------|------|------|-----|--|----|------|------|------|------|------|------|---|--|----|------|------|------|------|-----|------|-----|--|--|
| Compliance | Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant MEA Approval, New York City Approval For information on CAN/ULC S702 compliance, contact ROXUL Technical Support | ASTM C612 236 - 05 - M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reaction to Fire | Flame spread index = 0 ; Smoke developed index = 0 Flame spread index = 0 ; Smoke developed index = 0 Determination of Non Combustibility of Building Materials - Non Combustible Behaviour of materials at 750°C - Non Combustible | ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Density (thickness ≤ 2") | Monolithic Density of 4.4 lbs/ft ³ (70 kgs/m ³) | ASTM C303 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Density (thickness ≥ 2.5") | Dual Density - 6.2 lbs/ft ³ (100 kgs/m ³) outer layer and 4.1 lbs/ft ³ (65 kgs/m ³) inner layer | ASTM C303 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corrosion Resistance | Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed | ASTM C795 ASTM C665 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal Resistance | R-Value / inch @ 75°F 4.3 hr.ft ² .F/Btu RSI value / 25.4mm @ 24°C 0.75 m ² K/W | ASTM C518 (C177) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reaction to Moisture | Moisture Sorption - 0.07% Water Vapor Transmission, Desiccant Method - 1555ng/Pa.s.m ² (27 perm) Determination of Fungi Resistance - Passed | ASTM C1104 ASTM E96 ASTM C1338 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness Dimensions | 1" (25.4mm) to 6" (152.4mm) offerings 24"x48" (610mm x 1219mm) and 16"x48" (406mm x 1219mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acoustical Performance | <table border="1"> <thead> <tr> <th>Thickness</th> <th>125 Hz</th> <th>250 Hz</th> <th>500 Hz</th> <th>1000 Hz</th> <th>2000Hz</th> <th>4000 Hz</th> <th>NRC</th> <th>ASTM C423</th> </tr> </thead> <tbody> <tr> <td>1.5"</td> <td>1.19</td> <td>0.55</td> <td>1.03</td> <td>1.06</td> <td>1.02</td> <td>1.01</td> <td>0.9</td> <td></td> </tr> <tr> <td>2"</td> <td>0.26</td> <td>0.71</td> <td>1.14</td> <td>1.09</td> <td>1.04</td> <td>1.03</td> <td>1</td> <td></td> </tr> <tr> <td>3"</td> <td>0.72</td> <td>0.93</td> <td>0.88</td> <td>0.84</td> <td>0.9</td> <td>0.97</td> <td>0.9</td> <td></td> </tr> </tbody> </table> | Thickness | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000Hz | 4000 Hz | NRC | ASTM C423 | 1.5" | 1.19 | 0.55 | 1.03 | 1.06 | 1.02 | 1.01 | 0.9 | | 2" | 0.26 | 0.71 | 1.14 | 1.09 | 1.04 | 1.03 | 1 | | 3" | 0.72 | 0.93 | 0.88 | 0.84 | 0.9 | 0.97 | 0.9 | | |
| Thickness | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000Hz | 4000 Hz | NRC | ASTM C423 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Issued 12-08-16
 Supersedes 04-01-16

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