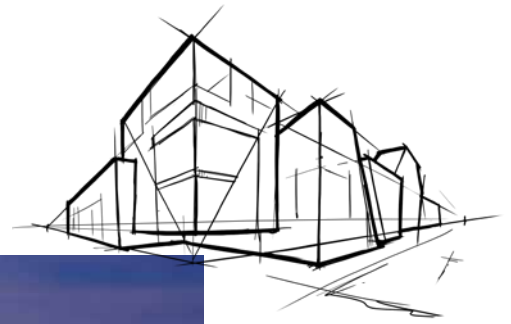


Cavityrock®

Exterior Insulation for Cavity Wall
and Rainscreen Applications



Cavityrock® Black: now available with black mineral fiber facing for open-joint cladding systems. The facing provides long-term UV stability as outlined on the next page.

Rush University Medical Center, Chicago, IL

ROCKWOOL Cavityrock® semi-rigid stone wool insulation board available in mono and dual density is designed for exterior cavity wall and rainscreen applications. Choose mono-density insulation in thicknesses up to 2" or dual-density in thicknesses of 2.5" to 6".

Compatible with numerous cladding attachment systems, Cavityrock® is a durable solution with non-combustible characteristics meaning that the insulation will not develop toxic smoke or promote flame spread even when directly exposed to fire. Approved for use in many NFPA 285-compliant designs, it is an important component of fire-resilient exterior wall systems when used as a continuous insulation.

Cavityrock® also offers energy efficiency with reliable thermal performance, improved acoustic comfort, and is moisture resistant to maintain insulating value for the long-term.

Also available in a black mat facer finish for open-joint cladding systems, Cavityrock® Black combines your insulation install with masking in a single step, reducing installation time and material cost to achieve your desired design aesthetic.

Learn more at rockwool.com/products/cavityrock/

Fire Performance

The non-combustible characteristics of Cavityrock® insulation mean that it will not develop toxic smoke or promote flame spread even when directly exposed to fire.



Cavityrock[®]

Exterior Insulation for Cavity Wall and Rainscreen Applications

Technical Data Sheet

Board Insulation 07210* • Board Insulation 07 21 13**
Cavity Wall Unit Masonry 04 27 23**

ROCKWOOL Cavityrock[®] is a semi-rigid stone wool insulation board designed for exterior cavity wall and rainscreen applications. Compatible with numerous cladding attachment systems, Cavityrock[®] is non-combustible and available with a black mineral fleece facing for open-joint cladding systems.

	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 ROCKWOOL 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																																
Reaction to fire (with black mat facer)	Flame spread index = 10; Smoke developed index = 25 Flame spread index = 10; Smoke developed index = 10	ASTM E84 (UL 723) CAN/ULC S102																																
Monolithic Density (thickness: 1", 1.5", 2")	> 4.3 lbs/ft ³ (>69 kg/m ³)* * Density will change with thickness, please contact ROCKWOOL for more information	ASTM C303																																
Density (thickness ≥ 2.5")	Dual Density - 6.2 lbs/ft ³ (100 kg/m ³) outer layer and 3.8 lbs/ft ³ (61 kg/m ³) inner layer	ASTM C303																																
Dimensional Stability	Linear Shrinkage = 0.7% @ 1200°F (650°C)	ASTM C356																																
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 / 25.4 mm @ 24°C 0.75 m ² K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.03% by volume Water Vapor Transmission, Desiccant Method - 1555ng/Pa.s.m ² (27 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																
Reaction to moisture (with black mat facer)	Moisture Sorption - 0.65% by volume Water Vapor Transmission, Desiccant Method - 2435ng/Pa.s.m ² (43 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																
Dimensions	1" (25.4 mm) to 4" (101.6 mm) in 1/2" increments. 5" (127 mm) , 5.5" (139.7 mm), 6" (152.4 mm), 7" (177.8 mm), 8" (203.2 mm) 24" x 48" (610 mm x 1219 mm) and 16" x 48" (406 mm x 1219 mm)																																	
Dimensions (with black mat facer)	2" (50.8 mm), 3" (76.2 mm), 4" (101.6 mm) available in 16" x 48" (406 mm x 1219 mm) and 24" x 48" (610 mm x 1219 mm) 2.5" (63.5 mm), 3.5" (88.9 mm), 5" (127 mm), 6" (152.4mm) available in 24" x 48" (610 mm x 1219 mm)																																	
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> </tr> </thead> <tbody> <tr> <td>1.5"</td> <td>0.19</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> </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> </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> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	1.5"	0.19	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	ASTM C423
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC																											
1.5"	0.19	0.55	1.03	1.06	1.02	1.01	0.9																											
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3"	0.72	0.93	0.88	0.84	0.9	0.97	0.9																											
UV Stability (with black mat facer)	Determination of changes in color fastness: achieved rating of 5/5 at 250 hr. and 500 hr. exposure, no perceptible change in color, and a rating of 4/5 at 750 hr. and 1,000 hr. exposure. For more information and technical reports on ISO 105-A02 results, please contact ROCKWOOL Technical Services.	ISO 105-A02: 1993																																

Issued: 03-01-2021
Supersedes 08-23-17



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