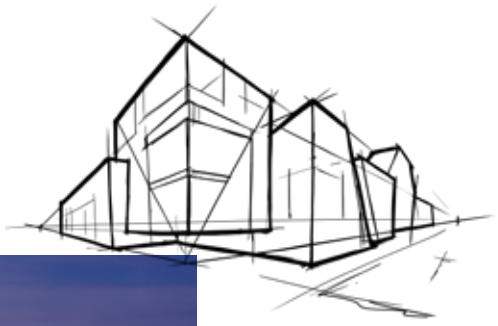
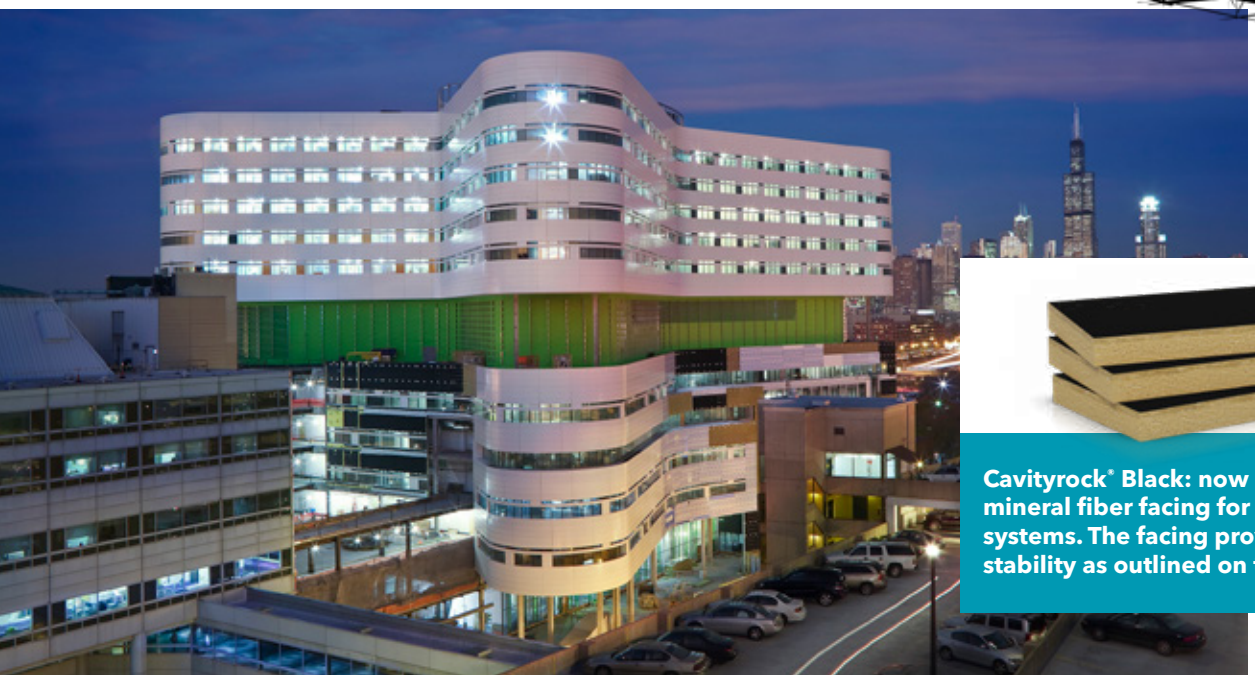
Cavityrock®

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® 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

Noncombustible, Cavityrock® can slow the spread of fire, and resists the transfer of heat in a wall assembly that causes layers on the other side to begin burning or smoking.

ROCKWOOL®

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 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 Rating = 0; Smoke Developed Classification = 0 Behaviour of materials at 750°C - Noncombustible Determination of Non Combustibility of Building Materials - Non-combustible	ASTM E84 (UL 723) CAN/ULC S102 ASTM E136 CAN/ULC S114
Reaction to fire (with black mat facer)	Flame Spread Index = 15; Smoke Developed Index = 0 Flame Spread Rating = 15; Smoke Developed Classification = 5	ASTM E84 (UL 723) CAN/ULC S102
Monolithic Density (thickness: 1", 1.5", 2")	> 4.3 lbs/ft³ (>69 kg/m³)* * Density will change with thickness, please contact ROCKWOOL for more information	ASTM C303
Density (thickness ≥ 2.5")	Dual Density - 6.2 lbs/ft³ (100 kg/m³) outer layer and 3.8 lbs/ft³ (61 kg/m³) inner layer	ASTM C303
Dimensional Stability	Linear Shrinkage = 0.6% @ 1200°F (649°C)	ASTM C356
Corrosion Resistance	Corrosiveness to Aluminum - Passed Corrosiveness of Steel - Passed	ASTM C665 ASTM C665
Thermal Resistance	R-Value / inch @ 75°F 4.2 hr.ft².F/Btu RSI value / 25.4 mm @ 24°C 0.75 m²K/W	ASTM C518 (C177)
Reaction to Moisture	Water Vapor Sorption - 0.16 vol% Water Vapor Transmission (3.75 in. thickness evaluated), Desiccant Method - 27 perm (1555ng/Pa.s.m²) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338
Reaction to moisture (with black mat facer)	Water Vapor Transmission (3.38 in. thickness evaluated), Desiccant Method - 43 perm (2435ng/Pa.s.m²) Determination of Fungi Resistance - Passed	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	See table below	ASTM C423
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-AO2: 1993

Thickness (in.)	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	SAA
2	0.27	0.76	1.19	1.13	1.07	1.04	1.05	1.04
3	0.80	1.04	1.10	1.03	1.03	1.04	1.05	1.06
4	1.00	1.15	1.15	1.08	1.09	1.08	1.10	1.12
5	1.25	1.08	1.11	1.06	1.07	1.05	1.10	1.09
6	1.05	0.95	1.06	1.07	1.08	1.05	1.05	1.03

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Declare.

CLASSIFIED C UL US

NOTE: *Master Format 1995 Edition **Master Format 2004 Edition. As ROCKWOOL has no control over installation design and workmanship, accessory materials or application conditions, ROCKWOOL does not warranty the performance or results of any installation containing ROCKWOOL's products. ROCKWOOL's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose. Note 1: Meets Class A requirements for flame spread and smoke-developed indices as per IBC

ROCKWOOL®

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