

Frontrock™

Exterior Insulation Finish System (EIFS)



ROCKWOOL Frontrock™ products are semi-rigid stone wool insulation boards that are non-combustible and fire resistant, and will not develop toxic smoke or promote flame spread, even when directly exposed to fire.

The mono-density version provides consistent density and high compressive strength throughout the board. The dual-density offering, available in thicknesses $\geq 2.5"$, features a high-density top layer that helps minimize base coat consumption during installation and a lower-density inner layer that reduces board weight and allows it to better adapt to wall irregularities.

Mechanically-fastened as part of your long-term cladding system, Frontrock™ contributes toward improved energy efficiency, thermal comfort, moisture control, and acoustic performance, leaving you with increased design freedom in new construction and retrofit projects.

Learn more at rockwool.com/products/frontrock

Fire Performance

Using Frontrock™ as a continuous insulation helps you to meet non-combustibility requirements for EIFS applications.



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Technical Data Sheet

Exterior Insulation and Finish Systems 07 24 00*

Board Insulation 07 21 00**

ROCKWOOL Frontrock™ products are semi-rigid and non-combustible stone wool insulation boards engineered to be used in mechanically-fastened exterior insulation finish system (EIFS) designs.

	Performance	Test Standard							
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVA Compliant Mineral Fibre Thermal Insulation for Buildings - Type 1 Compliant	ASTM C612 CAN/ULC S702							
Reaction to Fire	Flame spread index = 0; Smoke developed index = 5 Flame spread index = 0; Smoke developed index = 10 Determination of Non Combustibility of Building Materials - Non Combustible	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114							
Monolithic Density	8.5 lbs/ft ³ (136 kg/m ³)	ASTM C303							
Dual Density (thickness ≥ 2.5")	9.3 lbs/ft ³ (150 kg/m ³) outer layer and 5.9 lbs/ft ³ (95 kg/m ³) inner layer	ASTM C303							
Dimensional Stability Monolithic Density	Linear Shrinkage - 0.51% @ 1200°F (650°C)	ASTM C356							
Dimensional Stability Dual Density	Linear Shrinkage - 0.43% @ 1200°F (650°C)	ASTM C356							
Corrosion Resistance	Corrosion of Steel - Passed Corrosion of Aluminum - Passed Corrosion of Copper - Passed	ASTM C665							
Thermal Resistance	R-Value / inch @ 75°F 4 hr.ft ² .F/Btu RSI value / 25.4 mm @ 24°C 0.70 m ² K/W	ASTM C518 (C177)							
Reaction to Moisture Monolithic Density	Moisture Sorption - 0.28% Water Vapor Transmission, Desiccant Method - 2710ng/Pa.s.m ² (47 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338							
Reaction to Moisture Dual Density	Moisture Sorption - 0.25% Water Vapor Transmission, Desiccant Method - 2187ng/Pa.s.m ² (38 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338							
Compressive Strength Monolithic Density	940psf (45kPa) @ 10% compression	ASTM C165							
Compressive Strength Dual Density	522psf (25kPa) @ 10% compression	ASTM C165							
Dimensions: (Monolithic Density)	Thicknesses 1.5"(38.1 mm), 2"(50.8 mm), 2.5"(63.5 mm), 3"(76.2 mm), 4"(101.6 mm), 5"(127 mm) Length and width: 24" x 48" (609.6 mm x 1219.2 mm)								
Dimensions: (Dual Density)	Thicknesses 2.5"(63.5 mm), 3"(76.2 mm), 3.5"(88.9 mm), and 4"(101.6 mm) Length and width: 24" x 48"(609.6 mm x 1219.2 mm)								
Acoustical Performance	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	
	1.5"	0.17	0.51	0.97	1.01	0.95	0.95	0.85	ASTM C423
	3"	0.50	0.75	0.95	0.97	0.99	0.99	0.90	
Recycled Content	Mineral Wool Insulation Non-Fibrous Content - Less than 20 percent							ASTM C1335	
Storage conditions (Inside/Outside/Stacking)	Do not store outside.								

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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.



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