

# 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.

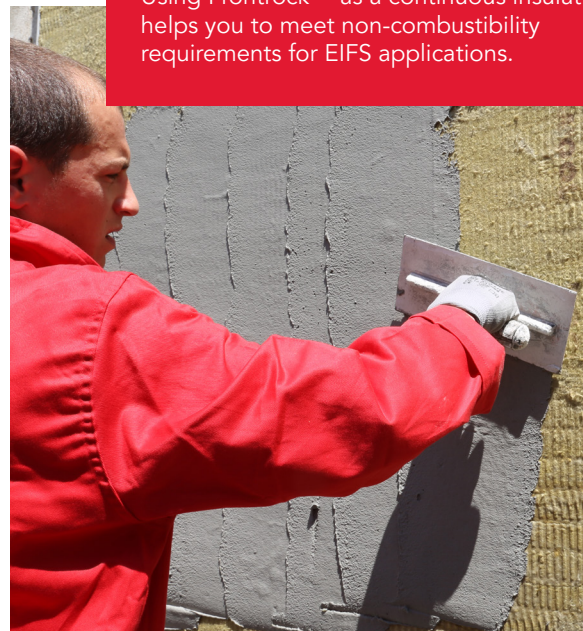
Manufactured with tight dimensional tolerances and simple to cut on the job site or in prefabricated applications, stone wool is flexible and easy to work with while avoiding unnecessary waste.

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](https://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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## Exterior Insulation Finish System (EIFS)

### 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 IVB 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																								
Density (for thicknesses of 1.5", 2")	8.5 lbs/ft <sup>3</sup> (136 kg/m <sup>3</sup> )	ASTM C303																								
Density (thickness ≥ 2.5")	9.3 lbs/ft <sup>3</sup> (150 kg/m <sup>3</sup> ) outer layer and 5.9 lbs/ft <sup>3</sup> (95 kg/m <sup>3</sup> ) inner layer	ASTM C303																								
Dimensional Stability (for thicknesses of 1.5", 2")	Linear Shrinkage - 0.51% @ 1200°F (650°C)	ASTM C356																								
Dimensional Stability (thickness ≥ 2.5")	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 <sup>2</sup> .F/Btu RSI value / 25.4 mm @ 24°C      0.70 m <sup>2</sup> K/W	ASTM C518 (C177)																								
Reaction to Moisture (for thicknesses of 1.5", 2")	Moisture Sorption - 0.28% Water Vapor Transmission, Desiccant Method - 2710ng/Pa.s.m <sup>2</sup> (47 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																								
Reaction to Moisture (thickness ≥ 2.5")	Moisture Sorption - 0.25% Water Vapor Transmission, Desiccant Method - 2187ng/Pa.s.m <sup>2</sup> (38 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																								
Compressive Strength (for thicknesses of 1.5", 2")	940psf (45kPa) @ 10% compression	ASTM C165																								
Compressive Strength (thickness ≥ 2.5")	627psf (30kPa) @ 10% compression	ASTM C165																								
Dimensions	Thicknesses 1.5" (38.1 mm) and 2" (50.8 mm) Length and width: 24" x 48" (609.6 mm x 1219.2 mm)  Thicknesses 2.5" (63.5 mm), 3" (76.2 mm), 4" (101.6 mm), 5" (127 mm), 6" (152.4 mm) Length and width: 24" x 48" (609.6 mm x 1219.2 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>0.17</td> <td>0.51</td> <td>0.97</td> <td>1.01</td> <td>0.95</td> <td>0.95</td> <td>0.85</td> </tr> <tr> <td>3"</td> <td>0.50</td> <td>0.75</td> <td>0.95</td> <td>0.97</td> <td>0.99</td> <td>0.99</td> <td>0.90</td> </tr> </tbody> </table>	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	3"	0.50	0.75	0.95	0.97	0.99	0.99	0.90	ASTM C423
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																			
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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