

# 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.

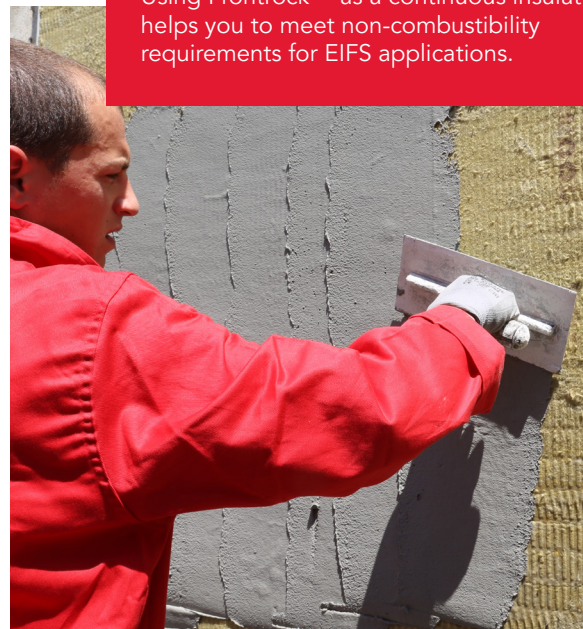
The mono-density version provides consistent density and high compressive strength throughout the board. The dual-density offering, available in thicknesses  $\geq 2.5"$ , features a high-density top layer that helps minimize base coat consumption during installation and a lower-density inner layer that 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](https://rockwool.com/products/frontrock)

### Fire Performance

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



# Frontrock™

## 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 <sup>1</sup>	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 = ≤ 15 (Class A) Flame spread index = 0; Smoke developed index = ≤ 10 (Class A) 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	<b>Monolithic Density:</b> 8.5 lbs/ft <sup>3</sup> (136 kg/m <sup>3</sup> ) <b>Dual Density</b> (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	<b>Monolithic Density:</b> Linear Shrinkage - 0.51% @ 1200°F (650°C) <b>Dual Density:</b> 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      4.0 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	<b>Monolithic Density:</b> Moisture Sorption - 0.28% by weight, 0.04% by volume Water Vapor Transmission, Desiccant Method - 2710ng/Pa.s.m <sup>2</sup> (47 perm) Determination of Fungi Resistance - Passed <b>Dual Density:</b> Moisture Sorption - 0.25% by weight, 0.04% by volume 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  ASTM C1104 ASTM E96 ASTM C1338																								
Compressive Strength	<b>Monolithic Density:</b> 940psf (45kPa) @ 10% compression <b>Dual Density:</b> 522psf (25kPa) @ 10% compression	ASTM C165																								
Board Weight by Thickness <sup>2</sup>	<table border="1"> <thead> <tr> <th>Thickness</th> <th>1.5" (38.1 mm)</th> <th>2" (50.8 mm)</th> <th>2.5" (63.5 mm)</th> <th>3" (76.2 mm)</th> <th>4" (101.6 mm)</th> </tr> </thead> <tbody> <tr> <td>Board Weight</td> <td>8.5 lbs. (3.9 kg)</td> <td>11.3 lbs. (5.1 kg)</td> <td>14.2 lbs. (6.4 kg)</td> <td>17.0 lbs. (7.7 kg)</td> <td>22.7 lbs. (10.3 kg)</td> </tr> </tbody> </table> <p>Board Dimensions: 24"x48" (610 mm x 1219 mm)</p> <table border="1"> <thead> <tr> <th>Thickness</th> <th>2.5" (63.5 mm)</th> <th>3" (76.2 mm)</th> <th>3.5" (88.9 mm)</th> <th>4" (101.6 mm)</th> </tr> </thead> <tbody> <tr> <td>Board Weight</td> <td>11.3 lbs. (5.1 kg)</td> <td>13.2 lbs. (6.0 kg)</td> <td>15.2 lbs. (6.9 kg)</td> <td>17.2 lbs. (7.8 kg)</td> </tr> </tbody> </table>	Thickness	1.5" (38.1 mm)	2" (50.8 mm)	2.5" (63.5 mm)	3" (76.2 mm)	4" (101.6 mm)	Board Weight	8.5 lbs. (3.9 kg)	11.3 lbs. (5.1 kg)	14.2 lbs. (6.4 kg)	17.0 lbs. (7.7 kg)	22.7 lbs. (10.3 kg)	Thickness	2.5" (63.5 mm)	3" (76.2 mm)	3.5" (88.9 mm)	4" (101.6 mm)	Board Weight	11.3 lbs. (5.1 kg)	13.2 lbs. (6.0 kg)	15.2 lbs. (6.9 kg)	17.2 lbs. (7.8 kg)			
Thickness	1.5" (38.1 mm)	2" (50.8 mm)	2.5" (63.5 mm)	3" (76.2 mm)	4" (101.6 mm)																					
Board Weight	8.5 lbs. (3.9 kg)	11.3 lbs. (5.1 kg)	14.2 lbs. (6.4 kg)	17.0 lbs. (7.7 kg)	22.7 lbs. (10.3 kg)																					
Thickness	2.5" (63.5 mm)	3" (76.2 mm)	3.5" (88.9 mm)	4" (101.6 mm)																						
Board Weight	11.3 lbs. (5.1 kg)	13.2 lbs. (6.0 kg)	15.2 lbs. (6.9 kg)	17.2 lbs. (7.8 kg)																						
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																			

Storage conditions  
(Inside/Outside/Stacking)

Do not store outside.

**Declare.**

Issued 04-23  
Supersedes 07-22

For more information regarding the certifications and listings of our stone wool insulation products, please visit: [rockwool.com/certifications-and-listings](http://rockwool.com/certifications-and-listings)

<sup>1</sup>Monolithic density testing based on 1.5" thickness. Dual density testing based on 3" thickness.  
<sup>2</sup>Note that weights may vary +/- 10% from the posted values.

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.



8024 Esquesing Line, Milton, ON L9T 6W3  
Tel: 800-265-6878 • Fax: 800-991-0110  
rockwool.com