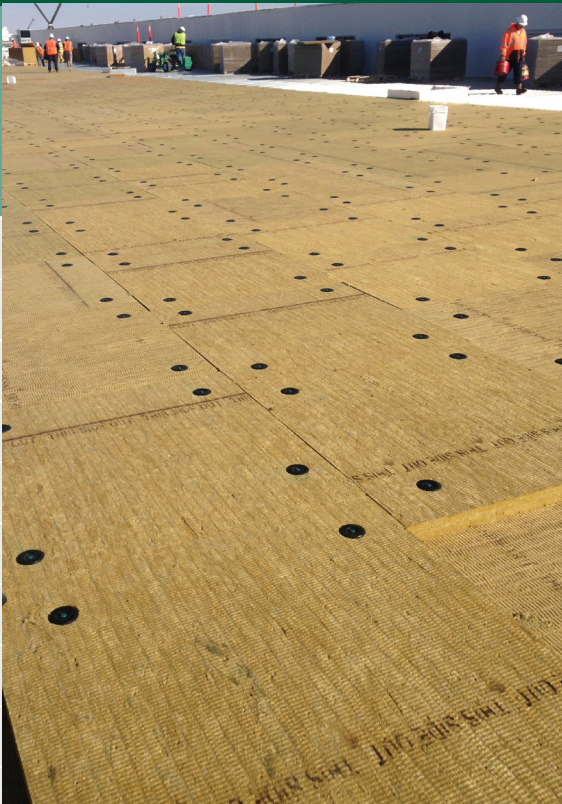


ROXUL® TopRock® DD



A rigid mineral wool insulation board with enhanced strength.

FEATURES

- Does not require cover board
- Will not promote blistering
- Does not off gas
- Dimensionally stable
- High impact resistance
- Low moisture sorption
- Non-corrosive
- Fire resistant
- Made from natural & recycled materials

DESCRIPTION:

ROXUL® TOPROCK® DD is a rigid mineral wool insulation board with a rigid upper surface for durability and enhanced strength. ROXUL® TOPROCK® DD is a noncombustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL mineral wool is a water repellent yet vapor permeable material.

BASIC USES:

ROXUL® TOPROCK® DD is intended for commercial and industrial roof insulation applications and is suitable for both new building and re-roofing applications. TOPROCK® DD is intended for use with mechanically fastened or ballasted traditional and single ply membranes.

LIMITATIONS:

This product should not be exposed to weather during shipment, storage or installation. At the completion of a day's work, all exposed edges should be temporarily sealed by lapping roof membrane over them. The products are not intended for use as a structural roof deck or for use under heavy traffic areas.

The factory packaging is intended for the protection of the insulation boards during transit and is not intended for job site protection against the elements. When product is stored outdoors, the plastic shroud must be slit and the insulation protected by a waterproof, breathable covering such as a tarpaulin. Insulation must be stored minimum 4 in. (102 mm) above ground and kept on a solid flat surface.

PHYSICAL PROPERTIES:

Performance	Test Standard
Compliance	
Standard Specification for Mineral Fiber Roof Insulation Boards	ASTM C726
Approval Standard for Single Ply, Polymer Modified Bitumen Sheet, Built-Up Roof and Liquid Applied Roof Assemblies for use in Class 1 and Noncombustible Roof Deck Construction	FM 4470
NCC (Non Combustible Core) Rated Roof Insulation	FM 4470
Reaction to Fire	
Flame spread index = 0 ; Smoke developed index = 0	ASTM E84 (UL 723)
Flame spread index = 0 ; Smoke developed index = 0	CAN/ULC S102
Determination of Non Combustibility of Building Materials - Non Combustible	CAN/ULC S114

ROXUL® TopRock® DD

PHYSICAL PROPERTIES: (continued)

Standard Method of Fire Tests for Determining Heat Release Rate of Roofing Assemblies with Combustible Above Deck Roofing Components - Class 1			NFPA 276					
Fire Tests of Roof Coverings - Class A			CAN/ULC S107-03					
Fire Spread under Roof Deck Assemblies - Construction C7, C18, C28, C38			CAN/ULC S126-06					
Standard Test Methods for Fire Tests of Roof Coverings - See UL Directory			UL 790 (ASTM E108)					
Fire Tests of Building Construction and Materials - See UL Directory			UL 263 (ASTM E119)					
Density								
Actual Density -			ASTM C 612-09					
Top Layer, 13.75 lb/ft ³ (220 kg/m ³)								
Bottom Layer, 10.0 lb/ft ³ (160 kg/m ³)								
Dimensional Stability								
Linear Shrinkage 24 hrs. @ 0.71% 1200°F (650°C)			ASTM C356					
Linear Change 7 days @ 40°F (-40°C), ambient RH - 0.1%			ASTM D2126					
Linear Change 7 days @ 200°F (93°C), ambient RH - 0.1%								
Linear Change 7 days @ 158°F (70°C), 97% RH - 0.0%								
Hail Performance								
Test Standard for Susceptibility to Hail Damage - Class 1 - SH (Severe Hail)			FM 4470					
Impact Resistance by Impacting with Freezer Ice Balls - Class 4			FM 4473					
Impact Resistance of Prepared Roof Covering Materials - Class 4			UL 2218					
Reaction to Moisture								
Water Vapor Sorption - 0.15 %			ASTM C1104					
Water Absorption - <1.0%			ASTM C209					
Water Vapor Transmission, Desiccant Method - 2330 ng/Pa.s.m ² (41 perm)			ASTM E96					
Thermal Resistance								
Mean Temperature	R-value/inch	RSI value/25.4 mm	ASTM C 518 (C 177)					
25°F (-4°C)	4.3 hr.ft ² .F/Btu	0.74 m ² K/W						
40°F (4°C)	4.2 hr.ft ² .F/Btu	0.72 m ² K/W						
75°F (24°C)	3.8 hr.ft ² .F/Btu	0.68 m ² K/W						
110°F (43°C)	3.6 hr.ft ² .F/Btu	0.64 m ² K/W						
Compressive Strength								
Top Layer - 20psi (140kPa) @ 10% compression			ASTM C165					
Top Layer - 37psi (250kPa) @ 25% compression								
Entire Board - 11psi (75kPa) @ 10% compression								
Entire Board - 15psi (105kPa) @ 25% compression								
Corrosion Resistance								
Stress Corrosion Cracking Tendency of Austenitic Stainless			ASTM C795					
Corrosion Resistance Steel - Passed								
Corrosion of Steel - Passed			ASTM C665					
Thickness								
Available in 2" to 6" with 1/2" increments								
Dimensions								
48" (width) x 48" (length)								
1219 mm (width) x 1219 mm (length)								
Acoustical Performance								
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC	ASTM C423
	2.0"	0.50	0.71	0.85	0.90	0.96	1.01	0.85
Contact ROXUL for further details								



TD 7035
09/14/16

www.tremcoroofing.com
3735 Green Road
Beachwood, Ohio 44122
1.800.852.6013



50 Beth Neilson Drive
Toronto, Ontario M4H 1M6
1.800.668.9879

TopRock® is a registered trademark of ROXUL Inc.

The information provided on this data sheet is effective as of August 2016 and supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCES SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.