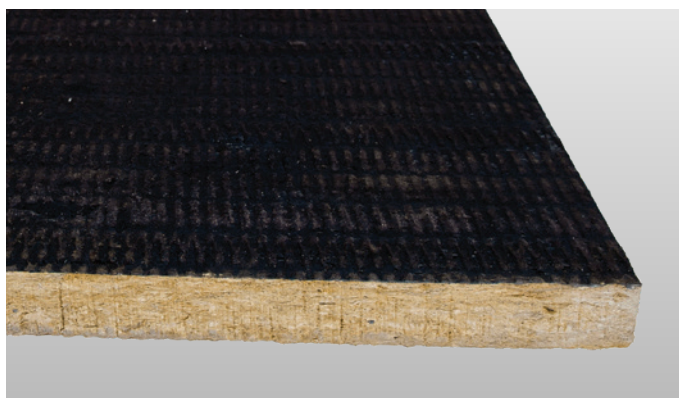


# TOPROCK® DD & TOPROCK DD Plus



TOPROCK DD



TOPROCK DD Plus

## Overview

TOPROCK DD & TOPROCK DD Plus are rigid mineral wool insulation boards. They are intended for commercial and industrial roof insulation applications and are suitable for both new construction and re-roofing applications. TOPROCK DD is intended for use with ballasted or mechanically attached single-ply membranes. TOPROCK DD Plus is impregnated with a bitumen layer for compatibility with Hot-Mopped VersiFleece® AC membrane.

## Features and Benefits

- Dimensionally stable
- High impact resistance
- Water repellent
- Sound absorbent
- Made from stone recycled materials

## Panel Characteristics

Available in 48" x 48" (1219 mm x 1219 mm) panels in thickness of 2" – 6" with ½" increments.

## Installation

### Ballasted Single-Ply Systems

Each insulation panel is loosely laid on the roof deck. Butt edges and stagger joints of adjacent panels.

### Mechanically Attached Single-Ply Systems

Each insulation panel must be secured to the roof deck with fasteners and plates appropriate to the deck type. Butt edges and stagger joints of adjacent panels. Install the roof membrane according to Versico's specifications. Versico approved coverboard is required as overlayment.

### VersiFleece Fully Adhered Single-Ply Systems

Butt edges and stagger joints of adjacent insulation panels. Insulation is to be adhered with Flexible DASH Adhesive with beads or full spray coverage. VersiFleece membranes must be adhered with Versico's Flexible DASH Adhesive according to Versico specifications. Versico approved coverboard is required as overlayment.

### VersiFleece AC Fully Adhered Single-Ply Systems

Butt edges and stagger joints of adjacent insulation panels. Insulation is to be adhered with a full mopping of Type III or IV asphalt. VersiFleece AC adhered single-ply system must be adhered with a full mopping of Type III or IV asphalt according to Versico's specifications. Versico approved coverboard is required as overlayment.

REVIEW CURRENT VERSICO SPECIFICATIONS AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

# TOPROCK DD & TOPROCK DD Plus

## Acoustical Performance

Thickness	Test Method	Co-Efficients at Frequencies						
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
2.0"	ASTM C423	0.50	0.71	0.85	0.90	0.96	1.01	0.85

## Code Approvals

- ASTM C726
- NFPA 276-Class 1
- Underwriters Laboratories, Inc.
  - CAN/ULC-S107-03-Class A
  - CAN/ULC-S126-06-Construction C7, C18, C28, C38
  - CAN/ULC-S114-Non-Combustible
  - UL 723 (ASTM E84)
  - CAN/ULC-S102
  - UL 2218-Class 4 (Hail)
  - UL 790 (ASTM E108)
- Factory Mutual Research
  - FM 4470-Class 1, Class 1-SH (Severe Hail)
  - FM 4473-Class 4 (Hail)

## Precautions

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

## On-Site Storage

The factory packaging is intended for the protection of the insulation boards during transit and is not intended for jobsite 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" (102 mm) above ground on a solid, flat surface.

## Typical Properties and Characteristics

Property	Test Method	Value
Thermal Resistance	ASTM C 518 (ASTM C 177)	Temperature 75°F (24°C) R-value/inch 3.8 hr.ft².F/Btu
Dimensional Stability Linear Shrinkage 24 hours @ 1200°F (650°C) Linear change 7 days @ 40°F (-40°C) ambient RH Linear change 7 days @ 200°F (93°C) ambient RH Linear change 7 days @ 158°F (70°C) 97% RH	ASTM C356	0.71%
	ASTM D2126	0.1%
		0.1%
		0.0%
Moisture Resistance	ASTM C1104 ASTM E96 ASTM C209	0.15% 2330 ng/Pa.s.m² (41 Perm) <1.0 %
Corrosive Resistance	ASTM C665 ASTM C795	Non-corrosive Non-corrosive
Compressive Strength Entire Board @ 10% @ 25%	ASTM C165	11 psi (75 kPa) 15 psi (105 kPa)
Density Top Layer Bottom Layer	ASTM C612-09	13.75 lb/ft³ (220 kg/m³) 10.0 lb/ft³ (160 kg/m³)

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.



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