

Owens Corning® Thermafiber® RainBarrier® Dark™

Mineral Wool Insulation

Description:

Owens Corning® Thermafiber® RainBarrier® Dark™ provides the performance of the standard RainBarrier® mineral wool insulation with the added benefit of a factory-bonded black facing. Specifically engineered for rain screen and cavity wall applications, this semi-rigid board provides essential visual camouflage behind open-joint facade systems and panel gaps. By integrating a dark aesthetic directly into the insulation, RainBarrier® Dark™ eliminates the material and labor costs associated with secondary masking layers or separate black house wraps.

Uses:

- Exterior wall applications.
- Contact Siplast for additional information on approved product uses.

Features and Benefits:

- Open-Joint Application — The factory-applied black facing provides a seamless, uniform shadow line behind open-joint façade systems, eliminating the need for secondary veils or field-applied masking.
- Fire Safety — Non-combustible mineral wool tested to ASTM E136, providing critical fire resistance for commercial assemblies.
- Moisture Management — Engineered to repel and drain water within the wall cavity, maintaining system integrity.
- Durability — Inorganic, mold-resistant (ASTM C1338), and non-deteriorating; maintains performance over the life of the building.
- UV Resistance — Formulated to withstand ultraviolet exposure both during the construction phase and while in service.
- Thermal & Energy Efficiency — Supports high-performance thermal envelopes.
- Sustainability & LEED® Support — Contains a minimum of 70% recycled content.

Installation

See Owens Corning® publication "Thermafiber® RainBarrier® Continuous Insulation Guide" (Pub. No. 10021356) for more information.

Standards, Codes Compliance:

- ASTM C612, Mineral Fiber Block and Board Thermal Insulation, Types IA, IB, II, III, IVA, IVB

Certifications and Sustainable Features:

- Verified by ICC-ES to contain a minimum of 70% recycled content. See ICC-ES Evaluation Report VAR-1025 at icc-es.org*
- Environmental Product Declaration (EPD) has been certified by UL Environment. For more information, visit ul.com/epd
- Health Product Declaration (HPD)
- Recycled Content Options:*
- EPA Choice Fiber
- (U.S. Government Buildings) — Minimum 75%
- Standard Fiber — 70%



Declare.

Technical Data:

TESTED TO ASTM C518

Rainbarrier® Dark		
Thickness	1" – 8"	
Board Sizes†	16" x 48" and 24" x 48"	
Nominal Density	6.0 pcf	
k@75° [24°C] BTU.in/hr. sq. ft. °F	0.23	
R-value per inch of thickness‡	4.3	
Tolerances		
Available thickness in ½" increments	+1/4" -1/8"	Width: ±1/8" Length: ±1/4"

* Recycled content options other than standard must be specified at time of order.

† See our product guide for more details. Custom sizes are available upon request.

‡ R = thickness divided by k

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Product Specifications:

Property	Test Method	Value
Corrosion of Steel, Aluminum, and Copper	ASTM C665	Pass
Stress Corrosion; Austenitic Stainless Steel	ASTM C795	Pass
Non-combustibility	ASTM E136	Non-combustible
Water Vapor Permeance	ASTM E96	25-50 perm
Water Vapor Sorption	ASTM C1104	Absorbs 0.06% by volume
Linear Shrinkage	ASTM C356	<2% @1,200°F (650°C)
Surface Burning Characteristics	ASTM E84	Flame Spread 20 Smoke Developed 15
Fungi Resistance	ASTM C1338	Complies
UV Testing	ICC-ES AC38 Section 4.1.2 UV Exposure with ASTM D224 Color Evaluation	Complies; acceptable change in black color after UV exposure

Acoustical Performance:

Thickness	Coefficients At Frequencies Per ASTM C423						
	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
2"	0.36	0.79	1.15	1.04	1.01	1.04	1.00
3"	0.70	1.07	1.24	1.13	1.07	1.08	1.15
4"	1.03	1.25	1.20	1.05	1.05	1.08	1.15



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For More Information: <https://www.owenscorning.com/en-us/insulation/products/thermafiber-rainbarrier-dark-continuous-insulation>