

METAL COMPOSITE MATERIAL COMPOSITION	
Front Skin	316 Stainless Steel 304 Stainless Steel
Core	FR Core (Min. 70% mineral fill by weight)
Rear Skin	316 Stainless Steel 304 Stainless Steel





VITRABOND® FR LEED DATA	
½ Pre-Consumer + Post-Consumer Recycled Content	
Vitrabond FR 4mm	12.75%

SHEET SIZES	
Widths	39.37"
Lengths	240" max.
Thicknesses	4mm

PRODUCT WEIGHT	
Vitrabond 4mm FR	1.8 lbs / ft²

PRODUCT TOLERANCES	
Width	± 0.079" (2.0 mm)
Length	± 0.157" (4.0 mm)
Thickness	± 2%
Bow	Max 0.5% of length and/or width
Squareness	Max 0.196" (4.97mm)
Surface Defects	The surface shall not have any irregularities such as dents, scratches and other imperfections in accordance with our 3rd party verified QC program.

VITRABOND FR WARRANTIES	
Product Warranty	Up to 20 years
Finish Warranty	Not applicable for natural metal finishes

DrJ TECHNICAL EVALUATION REPORT	
	<p>TER 1809-01</p> <p>Access the most recent Vitrabond Technical Evaluation report by DrJ Engineering by scanning the QR code.</p> <div>    </div>

PROPERTIES			
Standard	Descriptions	Test	Test Result
ASTM E136	Fire Performance of Stainless Steel	ΔT< 86°F	PASS
ASTM C393	Core Shear Ultimate Stress	>150 psi [1.03 MPa] (Test Specimen Average)	PASS
ASTM C393	Flexure Stress	>15695 psi [108.21 MPa] (Test Specimen Average)	PASS

IMPACT RESISTANCE			
Standard	Descriptions	Test	Test Result
ANSI FM4473	Severe Hail Exposure Test	PASS/FAIL	PASS

THERMAL PERFORMANCE		
Standard	Descriptions	Test
ASTM D696	Coefficient of Linear Expansion	9.6 x 10 ⁻⁶ in/in/°F (Stainless Steel)

BOND INTEGRITY			
Standard	Descriptions	Test	Test Result
ASTM C297	Flatwise Tensile Strength	>400 psi [2.76 MPa]	PASS
ASTM D1781	Climbing Drum Peel Test	>22.5 in-lb/in [100 mm -N/mm]	PASS
ASTM D1002	Peak Shear Strength	>515 psi [3.55 MPa]	PASS

FIRE PERFORMANCE			
Standard	Descriptions	Test	Test Result
ASTM E84	Flame Spread	<25	PASS
ASTM E84	Smoke Development	<450	PASS
NFPA 285	Fire Propagation Characteristics	PASS/FAIL	PASS
CAN/ULC – S134	Fire Test of Exterior Wall Assemblies	PASS/FAIL	PASS

Data are typical, are provided for informational purposes, and should not be construed as maximum or minimum values for specification or for final design, or for a particular use or application. The data may be revised anytime without notice. We make no representation or warranty as to its accuracy and assume no duty to update. Actual data on any particular product or material may vary from those shown herein. © 2025 Fairview Architectural. All rights reserved.