





Fiberock® Tile Backerboard and Interior Panels

Aqua-Tough™

Application		High-abuse areas	Corridors, stairwells, classrooms, basements and garages
		Moisture- and mold-prone areas	Bathrooms, tub & shower surrounds, hallways, basements and garages
		Projects seeking sustainable materials	95% recycled content
		Construction requiring superior fire resistance	Panels feature exceptional surface burning characteristics: 5/8" panels are UL Classified for fire resistance (FRX-G)

Product Information	Panel	Thickness	Weight	Edge	Width	Standard Length
	FIBEROCK® Brand AQUA-TOUGH™ Tile Backerboard	1/2"	2292 lb/msf 2.3 lb/sf	Square	3', 4'	4', 5', 8'
	FIBEROCK® Brand AQUA-TOUGH™ Interior Panel	1/2"	2292 lb/msf 2.3 lb/sf	Tapered	4'	8', 9', 10', 12' *
	FIBEROCK® Brand AQUA-TOUGH™ Interior Panel	5/8"	2865 lb/msf 2.8 lb/sf	Tapered	4'	8', 9', 10', 12' *
Acceptable Finishes	Ceramic Tile	Natural Stone	Marble			
	Paint	Wallpaper				

Properties	Performance Attributes	Test Method	1/2" Thickness	5/8" Thickness	
	Abuse Resistance	Indentation	ASTM D4977	—	097 in.
		Hard-Body Impact	USG Test	—	85 ft./lbs.
		Soft-Body Impact	ASTM E695	—	180 ft./lbs.
		Compressive Strength	ASTM D2394	500 psi	500 psi
		Shear-Bond Strength – 7 Day Cure	ANSI A108	> 50 psi	> 50 psi
		Flexural Strength	ASTM C473	120 (minimum) lbf.	161 (minimum) lbf
		MOR (Modulus of Rupture)	ASTM D1037	840 psi	720 psi
		MOE (Modulus of Elasticity)	ASTM D1037	500,000 psi	500,000 psi
		Nail-Head Pull-Through Resistance	ASTM C473	120 (minimum) lbf	145 (minimum) lbf
		Edge Hardness	ASTM C473	40 lbf	40 lbf
Moisture Resistance	Water Absorption	ASTM C473	5%	5%	
	Surface Water Absorption (Cobb)	ASTM C473	1.6 grams	1.6 grams	
	Perm Rating (Moisture Vapor Permeance)	ASTM E96	26 perms	24 perms	
	Moisture Content	—	0.5 - 2.0%	0.5 - 2.0%	
	Linear Variation with Moisture Change	ASTM D1037	0.3%	0.3 %	
	Humidified Deflection (Max)	ASTM C473	3/8 in.	1/4 in.	
	Coefficient of Thermal Expansion	ASTM E831	9.0x10-6 in./in./°F	9.0x10-6 in./in./°F	
	Mold Resistance	ASTM D3273	10	10	
Fire Resistance	Flame Spread	ASTM E84	0	0	
	Smoke Development	ASTM E84	5	5	
	Thermal "R" Value	ASTM C518	0.5 hr.ft. ² °F/Btu	0.6 hr.ft. ² °F/Btu	
	Hygrometric Coefficients of Expansion		in./in./RH		

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