

FIBEROCK® AQUA-TOUGH™ INTERIOR PANEL



Abuse Resistant

Gypsum fiber panels outperform paper-faced gypsum board in abuse-prone areas

- AQUA-TOUGH™ formulation provides improved moisture resistance
- No face paper to scratch or tear
- Resist denting, breaking and puncturing, even in high-traffic areas
- Provide excellent fire resistance
- Offer an economical alternative to concrete block and plaster construction
- Ideal for institutional, commercial and residential interiors
- Certified, recycled content of 95 percent

DESCRIPTION

FIBEROCK® AQUA-TOUGH™ Interior Panels, Abuse Resistant are engineered to provide increased resistance to moisture, mold, abrasion, indentation and penetration for interior walls and ceilings in demanding construction applications. These gypsum fiber panels are designed to outperform paper-faced gypsum board. Strong, solid and durable, they are approved for use in wet areas, including residential showers and tub surrounds. They also resist denting, breaking and puncturing-even in high-traffic areas. FIBEROCK® AQUA-TOUGH™ Interior Panels, Abuse Resistant are code approved for use in noncombustible construction. They have exceptional surface burning characteristics and fire resistance.

ADVANTAGES

Abuse Resistant: Engineered to provide increased resistance to abrasion, indentation and penetration, this panel outperforms paper-faced or glass mat-faced panels, with no paper face to tear or scratch.

Water Resistant: Water resistant through the core and suitable for use in wet areas including residential showers and tub surrounds.

Mold Resistant: In independent lab tests per ASTM D3273 "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber," FIBEROCK AQUA-TOUGH Interior Panels, Abuse Resistant, earns the highest score, 10.

Fire Resistant: Superior fire resistance and exceptional surface burning characteristics. The panel is tested for BS476 Part 4,6, & 7.

Finishing Flexibility: Features a smooth, paintable surface that can also be finished with ceramic tile.

Environmentally Friendly: Made from 95% recycled materials, this panel has earned independent certification from Scientific Certification Systems (SCS) for this achievement.

PRODUCT DATA
SIZES AND PACKAGING

Size (thickness x width x length)	Units (pcs.)
1/2" x 4' x 8'	30

TECHNICAL DATA



041-098-2870
Made From Recycled Material

Property	1/2" (12.7mm) FIBEROCK	Test Method
Weight	11.7 Kg/m ²	
Density	930 Kg/m ³	
Thermal (K-value)	0.167 W/m.K	ASTM C518
Surface water absorption	<1.6 grams	ASTM C473
Water absorption	< 10%	ASTM C473
Mould Resistance	10 (no growth)	ASTM D3273
Flexural Strength (Parallel)	≥ 490 N	ASTM C1278-07a
Flexural Strength (Perpendicular)	≥ 490 N	ASTM C1278-07a
Compressive Strength	35 kg/m ²	
Nail Pull Resistance	≥ 535 N	ASTM C1278-07a
Non-combustibility	Non-combustible	BS476 Part 4
Flame Spread Index	Class O	BS476 Part 6
Smoke Developed Index	Class O	BS476 Part 7
Edge Detail	Tapered Edge	

ABUSE-RESISTANT PERFORMANCE

ASTM C1629 Abuse-Resistant Performance

*Abrasion	Level 1
Indentation	Level 1
Soft Body Impact	Level 2
Hard Body Impact	Level 1

*With a standard primer and two coats of finish paint, FIBEROCK AQUA-TOUGH Interior Panels, Abuse Resistant will achieve a level 3 abrasion resistance.

GOOD DESIGN PRACTICES

1. FIBEROCK AQUA-TOUGH Interior Panels, Abuse Resistant are designed for interior use only.
2. Panels may be attached to wood or steel-stud framing and furring channels.
3. For abuse-resistant or fire-resistant construction, 0.9mm BMT or thick studs are required.
4. Where FIBEROCK systems abut or intersect dissimilar construction or building structural components, isolation techniques, such as caulk and/or slip tracks, are required.
5. Control joints should be spaced at a maximum of 28 ft. on center in walls and above door jambs; 28 ft. on center in ceilings (50 ft. with perimeter relief) and at L-, T- or U-intersections. Location of control joints is the responsibility of the professional/architect.
6. For very high impact resistance requirement, please refer to USG Boral representative.
7. Framing members should be straight and true. Studs and joints must be in true alignment; bridging, firestops, etc. must not protrude beyond plane of framing. Due to strength and rigidity of FIBEROCK panels, it may be difficult to compensate for out-of-plane imperfections in framing.

DELIVERY & STORAGE OF MATERIALS

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements. All materials should be stored flat.

INSTALLATION

- A.** Position all ends and edges of all gypsum fiber panels over framing members, except when joints are at right angles to framing members, as in perpendicular application or when end joints are back-blocked.
- B.** Install panels vertically whenever possible. For horizontal panel application, panels must be gapped 1/16" (3mm) above the floor. To minimize end joints, use panels of maximum practical lengths. Stagger end joints in successive courses with joints on opposite sites of a partition placed on different studs.
- C.** Attach panels to framing supports by: standard single nailing method, double nailing method or power-driven screws. Space fasteners not less than 3/8" (9.5mm) from edges and ends of panels and drive as recommended for specified fastening method. Hold panel in firm contact with framing while driving fasteners. Drive fastener heads slightly below surface of gypsum fiber panels in a uniform dimple.
- D.** Concealment of joints, fasteners and trims in areas that will be painted: For taping, use SHEETROCK® joint tape with SHEETROCK® DURABOND® setting-type joint compound.
- E.** For non-fire-rated partition designs, refer to the table below for fastener spacing. For UL fire-rated partition designs, refer to the specific UL design for proper fastener spacing.

	Thickness	Application	Frame Spacing	Fastener Spacing	
				Nails	Screws
Ceilings (Wood- or Steel-Framed)	1/ 2" (12.7mm)	Parallel	16" o.c.	7" o.c.	12" o.c.
		Perpendicular	16" o.c.	7" o.c.	12" o.c.
	5/8" (15.9mm)	Parallel	16" o.c.	7" o.c.	12" o.c.
		Perpendicular	24" o.c.	7" o.c.	12" o.c.
Walls	1/ 2 "(12.7mm)		24" o.c.	8" o.c.	12" o.c.
			16" o.c.	8" o.c.	16" o.c.
	5/8" (15.9mm)		24" o.c.	8" o.c.	12" o.c.
			16" o.c.	8" o.c.	16" o.c.

*16" o.c recommended for abuse-resistant applications.

- F.** Install trim at all internal and external angles formed by the intersection of either panel surfaces or other surfaces. Apply (metal) (paper-faced) corner bead to all vertical or horizontal external corners in accordance with manufacturer's directions.

SURFACE TREATMENT

The following recommendations are based on ASTM C840 Standard Specification for Application and Finishing of Gypsum Board. These recommendations are applicable for all Asia-Pacific markets, but are NOT APPLICABLE in North America.

FIBEROCK panels must be surface treated with one of the options, in accordance with USG recommendations. Option A may be used when a standard ASTM C840 Level 4 finish has been specified and one or more conditions described in Option B (pg.4) do not exist.

A mock-up is recommended. As identified by the design professional in project documents, the mock-up shall be of sufficient size to represent the requirements found in the specified ASTM C840 Level of Finish, and may include texture, final painting or wall covering, trim, lighting (natural or artificial), etc. The completed mock-up shall be provide to a visual benchmark accepted by the design professional, owner, contractor(s) and/or any other interested party prior to beginning any widespread finish work.

OPTION A

Ensure all joints, fasteners and angles are treated to a minimum ASTM C840 Level 4 finish and all sanding dust removed from surface. For best results apply sealer with high solids content and a minimum of two (2) separate coats of topcoat paint manufactured respective to the intended location (interior, exterior or wet area). Mock-up shall be used to determine whether a skim coat is required (if necessary), refer to Skim Coat information below.

OPTION B

Recommended in areas where one or more of the following conditions exist: 1) exposure to critical/severe lighting, 2) paints with sheen levels other than flat are specified, 3) high value spaces and/or 4) final surface smoothness and uniformity are expected and/or an ASTM C840 Level 5 finish has been specified. Mock-up shall be used to determine whether additional skim coat(s) are required.

FINISHING EXTERIOR CEILING/SOFFIT AREAS

To ensure levels of finish are acceptable to the organization or individual responsible for approving materials/products in this application, a jobsite constructed mock up is recommended to determine visual acceptance in advance of any widespread work.

CERAMIC TILE APPLICATIONS

FIBEROCK AQUA-TOUGH™ Interior Panels, Abuse Resistant are acceptable for use as a ceramic tile backer.

LIMITATIONS

1. FIBEROCK AQUA-TOUGH Interior Panels, Abuse Resistant are designed for interior use only and should not be used in exterior applications.
2. Panels should not be exposed to sustained temperatures in excess of 125 °F (51.6 °C).
3. For fire-resistance or abuse-resistant construction over steel framing, a minimum of 0.9mm BMT steel framing is required.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

