



DRAGONBOARD®

Facts At A Glance

DragonBoard® Properties

Applications	SIPS	Hotels	Retail	
	Hospitals	Office Buildings	High-Rise Buildings	
	Schools	Airports	Restaurants	
Product Highlights	U.S. Patented	Hi-Impact	Water Resistant	
	UL Approved	Fire Resistant	Mold/Mildew Resistant	
Codes and Compliances	UL G575	ASTM E84 Flame	ASTM D6109 Compression	
	UL 055	ASTM G21 Mold Propagation	New York City MEA	
	ASTM E136 Fire	ASTM E662 Smoke	ICC (pending approval)	
	ASTM E119 Fire	ASTM D5628 Impact		
DragonBoard Contains	Magnesium Oxide			
	Magnesium Chloride			
	Fibrous Reinforcement			
DragonBoard Does Not Contain	Asbestos			
	Formaldehyde			
	Polymers			
	VOCs			
Appearance	Light Tan to Cream in Color			
	Smooth, Level 5 finish on one side			
	Sand Textured on the other side			
Sizes*	4' x 8'	Standard Size		
	4' x 9' & 4' x 10'	Special Order		
	Custom lengths are available upon request			
Nominal Thicknesses*	1/4", 7/16" and 1/2"	Used for Laminating & SIPS		
	7/16" & 1/2"	Interior Walls		
	9/16"	Standard for Firewalls		
	1/2"	Used for Exterior Cladding		
	3/4"	Flooring		
Edges*	Tapered	1/4", 7/16", 1/2" and 9/16"		
	Square	1/4", 7/16", 1/2", 9/16" and 3/4"		
	Ship-Lap	3/4"		
3/4" Flooring Distributed Live Loads LBS/Sq.Ft.		12" OC	16" OC	24" OC
	L/240	924	393	110
	L/360	609	257	81
Cutting Recommendations	Circular Saw			
	For specialty jobs, call DragonBoard Technical Services at 866-447-3232			

DragonBoard® Advantages & Features

Mold Mildew & Insects	Non-nutrient to mold or fungus per ASTM G21			
	Does not support insect life			
Labor Costs	Significantly reduces installation costs on two and three-hour firewalls			
	Substantial labor savings versus poured concrete flooring on mid- and high-rise buildings			
Durability	Extremely water resistant; will not disintegrate when immersed in water			
	Weather resistant; resistant to freezing/expansion/contraction			
	High-impact/impact resistant construction panel			

*All sizes available in millimeters

DRAGONBOARD®

FAQs

Q. When should I use DRAGONBOARD®?

A. Use DRAGONBOARD® anywhere there is a need for a UL fireproof, mold proof, insect proof, waterproof and high impact alternative to common drywall or concrete block.

Q. How do I finish DRAGONBOARD®?

A. Finish exactly as you would drywall. It is ideal for use with direct-apply coatings like DRAGONSKIN®, paint or tiles.

Q. What sizes are available?

A. From ¼" to ¾" Flooring in 4'x8', 9' 10' and custom sizes are also available.

Q. Is it GREEN?

A. DRAGONBOARD® is manufactured at room temperature from Magnesium Oxide and Magnesium Chloride. All scraps are reused. MgO is a natural product of mines and can even be found in health food stores to be taken as a supplement. Magnesium Chloride (MCL) is a common component of sea water. DRAGONBOARD® is safe in landfills. It is completely VOC and formaldehyde free.

Q. How does it handle and cut?

A. DRAGONBOARD® recommends a carbide-blade circular saw with a dust bag. Rout as you would drywall. Contact DragonBoard Technical Services with additional questions.

Q. Is DRAGONBOARD® high in silica?

A. DRAGONBOARD® contains 14 times less silica than found in common drywall.

Q. How do I treat the seams?

A. DRAGONBOARD® is available with tapered edges for easy taping and spackling.

Q. What colors or finishes are available?

A. DRAGONBOARD® is available in off-white with 1 smooth side and 1 textured side. Either side will accept a direct applied finish, like DRAGONSKIN®.

Q. How do I fasten DRAGONBOARD®?

A. There are several off-the-shelf screws that work well and will self-countersink, for example the #12 Rock-On screw from ITWbuildex.com and screws from Grabber and DuraSpin.

Q. Is pre-drilling necessary?

A. No. Not with the recommended screws.

Q. Is it heavy?

A. Because it is dense, DRAGONBOARD® weighs about 20% more than sheetrock. However, in rated fire applications, you will need ½ the number of sheets of DRAGONBOARD® compared to gypsum.

Q. Is DRAGONBOARD® sheathing expensive?

A. DRAGONBOARD® is a high-performance, UL rated sheathing product. Because it is fire, mold, insect, moisture proof and high impact, it is more expensive than common drywall. In fire assemblies, DRAGONBOARD® requires fewer layers than gypsum, thus reducing costs.

Q. Is DRAGONBOARD® Flooring expensive?

A. In many applications, ¾" DRAGONBOARD® Flooring can save 40%-50% over poured concrete. Compared to cement-based products, DRAGONBOARD® is remarkably cost effective.

2-Hour Fire Rated System

3/4" DragonBoard Structural Panel

3 1/2" Glass Fiber Insulation

Cold - Formed Steel Framing Joist

Drywall Suspension System

Two Layers 5/8" Firecode C - Gypsum Board

