

DRAGONBOARD®



“The **Green** Board of the 21st Century”

UL Design #UO55

DragonBoard

DragonBoard Sheathing Products

The DragonBoard family of products consists of DragonBoard wall, ceiling, roofing and flooring panels.

Product Description, Applications

DragonBoard is a U.S. patented, UL approved fire resistant, water resistant, high-impact construction panel that is well-suited for both interior and exterior sheathing applications. With its mold resistant, fire resistant and high-impact properties, DragonBoard should be used whenever there is a high value placed on a building's contents and equipment or when health and safety concerns exist.

Applications include single-family homes, apartment complexes, commercial high-rise buildings, theaters, museums, schools, hospitals, retail, hotels, restaurants, nightclubs, airports, subway stations, tunnels, fire separations, etc.

Features, Advantages

- DragonBoard significantly reduces installation costs, offering savings of 20 - 85% over competing products, depending on the application
- DragonBoard is a non-nutrient to mold or fungus per ASTM G21 and does not support insect life. It provides superior moisture resistance in high-humidity areas and combats the growth of mold and mildew
- DragonBoard is completely waterproof. It will not disintegrate when immersed in water or exposed to freeze/thaw cycles for prolonged periods of time
- DragonBoard can be finished with any traditional drywall compounds

Construction, Materials, Finishes

DragonBoard is manufactured from a combination of magnesium oxide and magnesium chloride and includes fibrous reinforcement. DragonBoard is light tan to cream in color. Standard production material is very smooth on one side and sand textured on the other. DragonBoard accepts any type of paint, wallpaper and tiling. Standard edges are square or tapered. Special edges and sizes are available. DragonBoard may be cut, trimmed or shaped using ordinary power or hand tools. Every DragonBoard product is clearly labeled with the red dragon logo and pertinent UL design numbers to eliminate confusion in the field.

Properties, Performance

DragonBoard is approved for 1-, 1 1/2-, 2-, 3- and 4-hour fire resistant wall systems, providing an unprecedented degree of safety and security. Offering superior fire protection, DragonBoard requires only a single layer, which expedites job completion, saving time and money.

DragonBoard has flamespread and smoke propagation ratings of 0 per ASTM E84. STC ratings of 53 on a 2-hour UL assembly and 54 on a 3-hour UL assembly are available. A Dade County hurricane qualified system is also available.

DragonBoard's New York City MEA number is 359-02-M. For 2- and 4-hour fire resistant wall assemblies, the MEA number is 85-05-M. ICC approval is pending.



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DragonBoard

DragonBoard Flooring Products

The DragonBoard family of products consists of DragonBoard wall, ceiling, roofing and flooring panels.

Product Description, Applications

DragonBoard is a U.S. patented, UL approved fire resistant, water resistant, high-impact interior and exterior construction panel. Load capacities handle both residential and commercial structures. With its mold resistant, fire resistant and high-impact properties, DragonBoard should be used whenever there is a high value placed on a building's contents and equipment or when health and safety concerns exist.

Applications include single-family homes, apartment complexes, commercial high-rise buildings, theaters, museums, schools, hospitals, retail, hotels, restaurants, nightclubs, airports, subway stations, tunnels, fire separations, etc.

Features, Advantages

- DragonBoard can be used with wood or light-gauge steel framing
- DragonBoard's diaphragm stiffness allows distributed loads, when supported on 16" (406) centers, of over 257 psf for L/360 and 393f for L/240. Flexural strength is equivalent to concrete at approximately 3000 psi (20,670 kPa) in compression
- DragonBoard can be used in heavy commercial construction with the assembly consisting of I-beam construction and Type B corrugated decking in spans up to 5' (1.5 m), thus eliminating time costly and time-consuming concrete pours
- DragonBoard significantly reduces installation costs, offering savings of 20 - 85% over competing products, depending on the application
- DragonBoard is a non-nutrient to mold or fungus per ASTM G21 and does not support insect life. It provides superior moisture resistance in high-humidity areas and combats the growth of mold and mildew
- DragonBoard is completely waterproof. It will not disintegrate when immersed in water or exposed to freeze/thaw cycles for prolonged periods of time

Construction, Materials, Finishes

DragonBoard is manufactured from a combination of magnesium oxide and magnesium chloride and includes fibrous reinforcement. DragonBoard is light tan to cream in color. Standard production material is very smooth on one side and sand textured on the other. Square or shiplap joints are available. DragonBoard can be cut, trimmed or shaped using ordinary power tools. Every DragonBoard product is clearly labeled with the red dragon logo and pertinent UL design numbers to eliminate confusion in the field.

Properties, Performance

The DragonBoard floor assembly is offered as a UL tested 2-hour fire resistant system. DragonBoard's New York City MEA number is 359-02-M. ICC approval is pending.



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