PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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(732) 662-6275

DragonBoard™ 12mm MgO Subfloor (1/2”)

DragonBoard™ 12mm MgO Subfloor is a magnesium oxide (MgO) panel designed for use over plywood or OSB subfloors to achieve one-hour fire-resistance-rated floor assemblies without the use of poured gypsum underlayment. The lightweight, dry installation system eliminates curing time, simplifies scheduling, and provides a stable, cost-effective substrate for a wide range of finished flooring materials.

Product Specifications	
Thickness	1/2 in.
Panel Width	48 in. (4’)
Panel Length	96 in. (8’)
Panel Edge	SE (Square Edge) on all 4 sides
Panels Per Pallet	1,984 lbs. (25 pcs)
Weight	1.7 lbs. per sq. ft.
Weight Per Panel	Approx. 80 lbs.

Typical Applications:

- Multifamily Construction
- Modular & Offsite Construction
- Hospitality & Senior Living

Performance Features:

- 1-Hour Fire Rating
- Moisture Resistant
- Mold Resistant
- Termite Resistant



Product Installation:

- Installs directly over plywood, OSB, and MgO subflooring
- Installs without the need for specialized tools

DragonBoard™ Codes & Standards:

- International Building Code (IBC): 2006 – 2024
- Fire Testing Per ASTM E84, E136, E119
- UL Fire Rated Assembly: UL L587 (No. 27)
- Sound: ASTM E90, E492
- Mold Resistance: ASTM G21
- Extreme Termite Resistance: ADWPA E-1-13
- Moisture Resistance: ASTM C1185
- Does not contain Asbestos, Formaldehyde, or VOC’s

***Environmental Stewardship: DragonBoardTM USA supports the programs of the United States Green Building Council (USGCB).**