



DragonBoard DB24 Panel

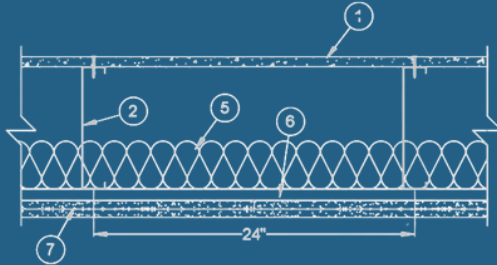
Fire-Rated, Structural Magnesium Oxide or "MgO" Subfloor Panel

SUITABLE FOR USE WHEN 24" OC SPAN IS
REQUIRED FOR COLD FORMED STEEL
FRAMING AND TRADITIONAL WOOD
FRAMED APPLICATIONS

Replaces Poured Concrete:
Mid-Rise, Hotels, Condos, Student Housing,
Multi-Family, Panelizers, Mezzanine, Modular

DRAGONBOARD EXCLUSIVE UL DESIGN G575 PER ASTM E119

2 hour rated floor/ceiling assembly



- | | |
|---|-------------------------------------|
| 1. UL Certified DRAGONBOARD SUBFLOOR | 3. Joist Bridging |
| 2. Structural Steel Members consisting of cold formed metal joists or trusses | 4. Clip Angles |
| | 5. Min 3-5/8" Fiberglass Insulation |
| | 6. Resilient Channel or Hat Channel |
| | 7. Gypsum Board per UL G512 |

Product Installation:

Installs directly to steel or wood framing
Grabber Fastener CGH8185LG
Simpson Fastener CBSDQ
Cuts with a Circular Saw

Panel Size: 4x8x3/4"

Panel Edge: Ship Lap

Weight: 4.55 lbs per SQ FT

Pieces per Unit: 22 pc

Unit Weight: 3,200 lbs

Code Compliant - IBC & IRC

ASTM E136 Passed
ASTM C1185 Flexural Strength
ASTM E119-UL Fire Rated Assemblies
UL-Certified BZXX.R22189 US & CAN
ASTM E455-Diaphragm
ASTM E90 & ASTM E492-Sound
ASTM G21-Mold
No Asbestos, Formaldehyde or VOC's

MULTI-SPAN ALLOWABLE UNIFORM LOAD (PSF)

DB 24 Panel - 18 mm MgO

ON CENTER SPACING

DEFLECTION LIMIT

L/240

L/360

L/480

L/600

| | 12" | 16" | 24" |
|-------|------|-----|-----|
| L/240 | 1371 | 771 | 282 |
| L/360 | 1371 | 634 | 188 |
| L/480 | 1127 | 475 | 141 |
| L/600 | 902 | 380 | 113 |

- Allowable loads are determined by the smaller value between the ultimate test load with a safety factor of 2.5 or the load corresponding to the specified deflection.
- The analysis is conducted under multi-span conditions.
- The designer of record for the specific job is accountable for assessing the relevance of these values for each particular application.
- Sealed load table calculations can be provided upon request.

RED DRAGON PANEL

- Reaches a 24" oc span
- Feature's our exclusive Red Siloxane Sealer coating
- Provides enhanced moisture protection
- Increases durability during the construction phase



Environmental Stewardship

DRAGONBOARD USA supports the programs of the United States Green Building Council (USGCB), and employs a full-time-LEED Accredited Professional (A.P.) on staff.

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