



## CONTACT INFORMATION

### **PRODUCT INFORMATION**

Visit our website at <u>dragonboard.com</u> for additional product information, architectural specifications, submittal sheet, safety data sheets & additional information

### **PHONE**

732-662-6275

### **OFFICE**

2960 WOODBRIDGE AVENUE **EDISON, NJ 08837** 

### **EMAIL US**

info@dragonboard.com



## PANEL APPLICATIONS

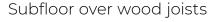
### **SUB-FLOORING APPLICATIONS**

DragonBoard Magnesium Oxide (MgO) board is an excellent choice for various building applications requiring strong and durable structural and fire-resistant subflooring for both wood and metal joists.

When utilizing DragonBoard for both ceiling and subfloor assemblies, fire resistant properties are improved beyond the already impressive fire-ratings, protecting the floor structure from a flammable event.







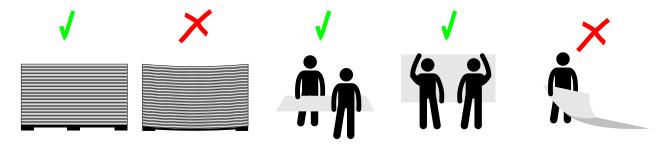


Subfloor over steel joists

# PANEL LOADING, HANDLING & CUTTING

#### SUGGESTED HANDLING INSTRUCTIONS

- To protect edges from damage, do not store DragonBoard panels vertically.
- Do not stack DragonBoard panels higher than 10'.
- Cover DragonBoard panels with a non-permeable waterproof material when storing outdoors to protect against weather, direct sunlight, surface contamination, and construction traffic.
- DragonBoard should be stored in a cool dry place as with any other sheet goods. Boards should be carried on their side and care taken to avoid damaging corners and shiplap edges.
- When handling DragonBoard larger than ½ sheet, always use at least two people for lifting and carrying.
- Hold DragonBoard panelss with evenly spaced supports to prevent damage from excessive bending/flexing.
- Always provide 3 supports (left, right, center) on DragonBoard pallets.
- Refer to DragonBoard safety data sheet (SDS) at DragonBoard.com for additional safety information.



### SUGGESTED HANDLING & CUTTING SAFETY GEAR









Gloves

Circular Saw

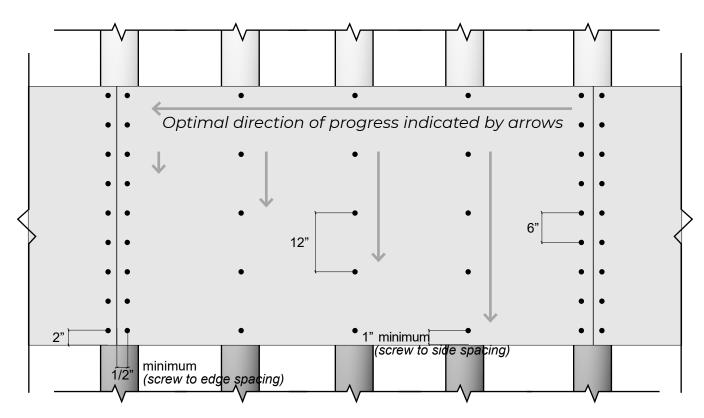
Dust Mask

Protective Eyewear

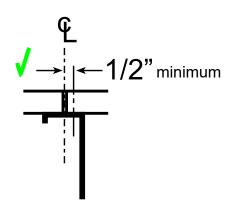


# FASTENING THE PANEL

The center of fasteners should be no less than 1/2" from any panel edge.



· For Optimal Results when Utilizing DragonBoard, the Suggested Fastener is the Rock-On 1-1/4 in. Cement Board Screws (Pictured Below)







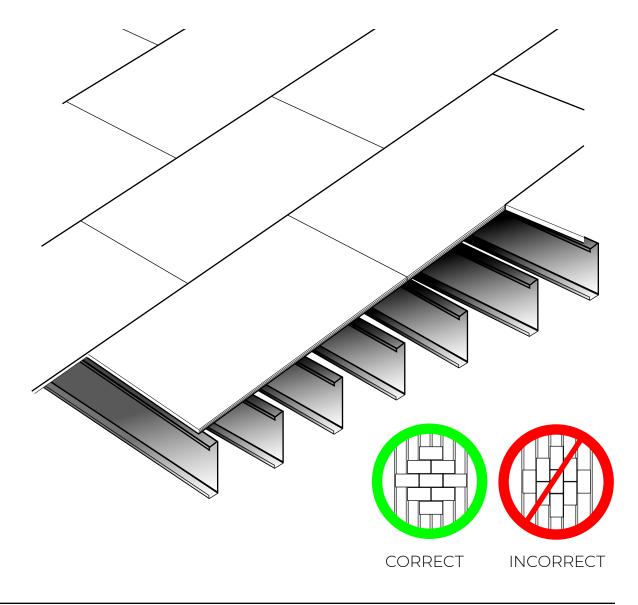


Part Number	Length	Material Attachment Range	Box Qty
S-12° Rock-O	)n		
2156500*	8 x 1-1/4"	3/8" to 3/4" Material Thickness	5,000
2159500*	8 x 1-5/8"	3/8" to 1-1/4" Material Thickness	4,000
2139500	8 x 2-1/4"	1" to 1-7/8" Material Thickness	2,000
Backer-On <sup>™</sup>			
2406000	10 x 1-1/4"	Up to 3/4" Material Thickness to Wood;	5,000



# FRAMING DIRECTION

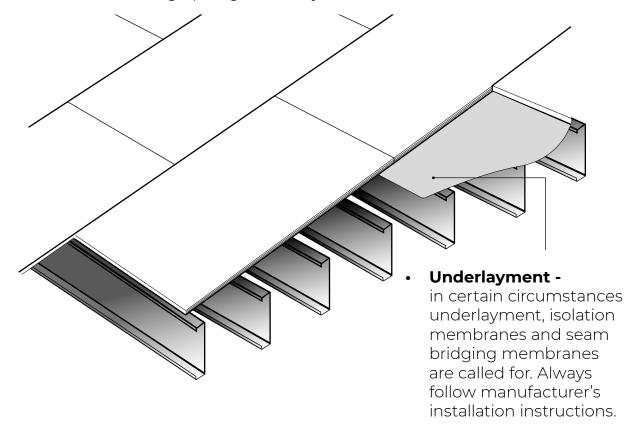
DragonBoard Panels should always lay perpendicular to supporting joists.





## ORIENTATION, SEALING & UNDERLAYMENT

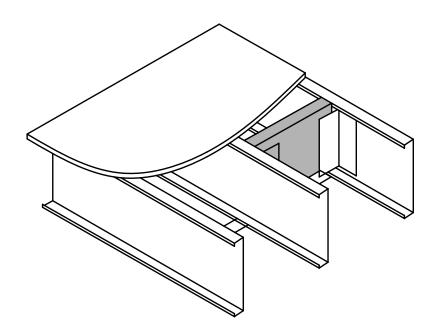
- All panels should be staggered with a 1/16" (1.5mm) gap the thickness of a penny-.between boards to accommodate movement when attached to cold-formed steel framing and 1/8" when attached to wood.
- **Board Orientation -** DragonBoard is extremely smooth on one side and rough on the other. Both surfaces are working surfaces. The smooth side is ideal for the application of finished flooring such as carpet or resilient flooring. The rough side provides excellent adhesion when applying ceramic tiles, stone, concrete toppings or other decorative materials.
- Seams When laying resilient flooring such as VCT, Vinyl plank or Linoleum over DragonBoard, all seams should be filled with a polyurea or modified epoxy seam filler and shaved or sanded flush to create a uniformly smooth surface to avoid "telegraphing" uneven joints to the wear surface.



# PANEL BLOCKING



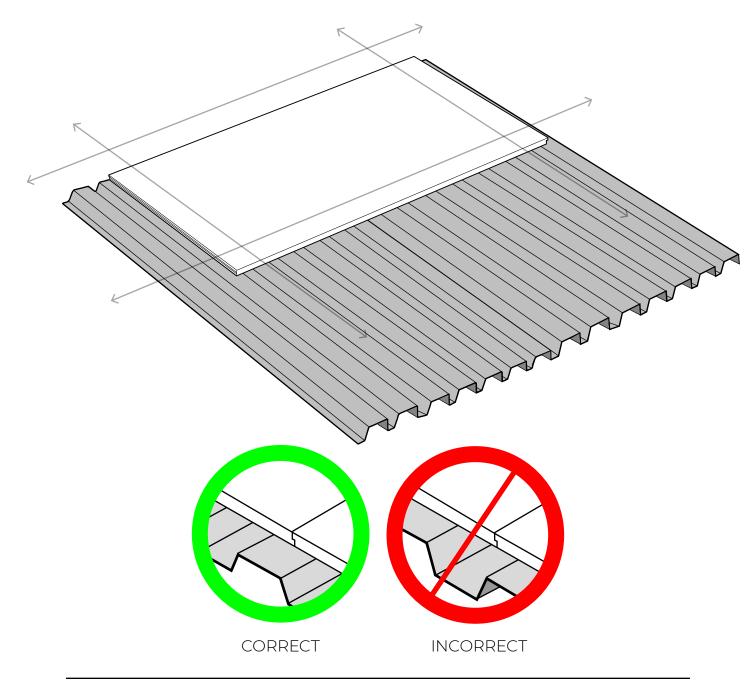
Block edges that are less than 24" wide before DragonBoard panel application.





# FLUTED DECK PANEL LAYOUT

DragonBoard Shiplap should always lay perpendicular to deck fluting



# WHY CHOOSE DRAGONBOARD?



### DragonBoard is a UL approved MgO subflooring or construction panel that is:

- Class A fire-rated and load-bearing equal to cement board and poured concrete.
- Freeze-thaw tested for 36 months
- Mold, fungus, insect-free per ASTM G21
- Impact resistant per ASTM D 5628
- NYC approved per MEA
- Silica, Asbestos, and VOC Free
- · Sound Transmission Class (STC) up to 59 and impact insulation class (IIC) up to 64 in assembly
- Lighter-weight and substantial cost savings over cement board

#### **Mineral Components**

Dragonboard is manufactured from edible mineral components and water and does not contain hexavalent chromium, asbestos or VOCs.

#### Safe for Landfills

DragonBoard scraps and sawdust may be safely buried in landfills without contamination or environmental damage to the land, streams or bodies of water.

### **Low Energy Manufacturing**

DragonBoard uses a patented low energy manufacturing process. The entire process is conducted at room temperature and scraps are reground and recycled.



