



INSTALLATION INSTRUCTIONS

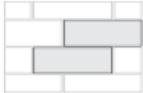
For more information or questions, please contact:

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DragonBoard™ Structural Subfloor Panel (3/4" nominal)

Handling & Storage – 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 abusing corners and shiplap edges.



Placement – 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 CFS and 1/8" when attached to wood.

Board Orientation – DragonBoard has a rough and smooth side. Rougher surface is preferred for tile, but both are working surfaces.

Seams - When laying resilient flooring such as VCT, Vinyl plank or Linoleum over DragonBoard, all seams should be filled with a polyurea, modified epoxy, or self-leveling elastomeric polyurethane seam filler and shaved or sanded flush to create a uniformly smooth surface to avoid "telegraphing" uneven joints to the wear surface.

Underlayment – In certain circumstances underlayment, isolation membranes and seam bridging membranes are called for. Always follow manufacturer's installation instructions.

Fasteners – Cold-Formed Steel CFS- **#8 self-tapping flat head screw with 'nibs'** such as Simpson CBSDQ, Grabber CGH8158LG or equivalent. The drill wings on the tip prevent board uplift (for use into steel 18GA or thicker only) while the 'nibs' countersink the head avoid proud screw heads or micro cracks.

Grabber CGH8158LG sheathing to CFS



Simpson CBSDQ sheathing to CFS



WOOD – High/low thread, flat head screw with 'nibs' such as Simpson CB3BLGHL collated screw.

Simpson CB3BLGHL sheathing to wood



Fastener Spacing – Fasteners should be placed 3/4" -5/8" (15-18mm) from board edge and never closer than 1/2" (12mm) A minimum flange size of 2" (50mm) is highly recommended. Fasteners should be placed every 8" inches on the perimeter and 12" in the field.

Edge Support – all edges should be supported by framing.

Cutting – DragonBoard can be cut with either hand or power saws. We suggest the use of blades specifically made for cement board such as Irwin 6T or Diablo PCD blades. Always support both ends while cutting. Always wear safety glasses and a dust mask.

Adhesives – DragonBoard shiplap seams should have a 1/4" bead of adhesive applied to the shiplap edge before placement of the next sheet. Do not allow adhesive to skin over.

Use **ASTM D3498 compliant** adhesives such as:

- **PEMCO** 5100 non-flammable, solvent free, zero V.O.C., polyurethane adhesive
- **BOSTICH** Heavy Duty Construction Adhesive
- **OSI** SF450 Heavy Duty Subfloor & Construction Adhesive
- **LOCTITE** PL 400 Subfloor Adhesive/ Loctite PL Premium Polyurethane Adhesive