

Synboard Installation

SHIPPING

- SYNBOARD is shipped in a protective wrap. You should use the same care in handling SYNBOARD as you would with any premium lumber product. The good news is that if this *celuka* process, cellular pvc product gets dirty, it is not ruined. Just wash it off, and it is as good as new.

HANDLING AND STORAGE

- Although SYNBOARD is more resistant to damage than premium lumber products and “free foam” cellular pvc products, you still want to use care in how you store and handle the product.
- It should be stored in a reasonably flat, level environment.
- If the protective wrap has been removed use reasonable care to protect it from dirt and debris.

DRILLING

- SYNBOARD can be drilled with the same tools as you would use to drill lumber. Use wood bits, not metal or bits for solid pvc.
- Carbide tipped bits with a point angle between 90 degrees and 110 degrees and a spiral angle of 30 degrees will give you the best results.
- As with drilling hardwoods, care should be taken to avoid frictional heat build up.
- Remove shavings from the drill hole as necessary for best results.

CUTTING

- SYNBOARD can be cut using the same tools that you would use to cut wood products.
- Carbide tipped circular saw blades with a tooth pitch of .080” to .400” achieve the best results.
- Avoid fine tooth blades.
- High speed steel band saw blades with 4 to 8 teeth

per inch are recommended.

- **Poor board support, excessive friction and worn tools may generate rough edges. Always use sharp blades.**

ROUTING

- **SYNBOARD may be routed using the same bits that you would use for wood.**
- **Carbide tipped router bits achieve the best results and are recommended.**
- **SYNBOARD is the perfect medium for your most elaborate carved designs.**

FASTENING

- **Most fasteners designed for use with wood are going to work well in SYNBOARD applications.**
- **Avoid fine thread fasteners.**
- **Higher quality fasteners (stainless steel, hot dipped galvanized, etc.) will give you the most desirable results.**

PAINTING

- **SYNBOARD does not require painting for protection.**
- **It comes sanded and ready for painting to suit your individual requirements.**
- **The use of 100% acrylic latex with a light reflective value of 55 or higher is recommended.**
- **Applying dark colors to areas likely to be in contact with direct sunlight could void the warranty and must be avoided.**

GLUING

- **SYNBOARD can be glued with either standard or cellular pvc cements with excellent results.**
- **To bond SYNBOARD to other materials a variety of adhesives may be used. Consult adhesive instructions to determine most effective use.**
- **A clean, dry environment is desirable for best bonding results.**

- **Gluing of joints is recommended to discourage separation.**
- **Mitered joints are highly recommended. Butt joints will generally not achieve desirable results.**

SPANNING

- **SYNBOARD can not be used in load bearing applications.**
- **Never use SYNBOARD in spans over 24”.**
- **For spans over 16” it is recommended that you use 1” dimension product or greater.**

EXPANSION AND CONTRACTION

- **All plastics expand and contract with changes in temperature. SYNBOARD is no different.**
- **Proper fastening along the entire length of the product during installation will minimize this effect.**
- **Allow 1/8” space per 18 linear feet of product to allow for this expansion and contraction. This joint should be filled with a high quality caulk like “Big Stretch”.**
- **Mitered joints are highly recommended. Butt joints will generally not achieve desirable results.**

MILLWORK APPLICATIONS

- **SYNBOARD has remarkable characteristics which allow it to be configured in a variety of applications.**
- **Go to the millwork section of our gallery to see just some of the possibilities.**