

VERSAROC® CEMENT BOARD (CBPB) General Product Information

APPEARANCE: VERSAROC® is a cement bonded particle board composed of mineralized wood particles and Portland cement. *Uncalibrated* VERSAROC® is light gray in color and smooth on both surfaces. *Calibrated* VERSAROC® boards have been sanded to achieve tighter thickness tolerances and results in a surface appearance revealing the wood particles within the cement matrix. *Sealed* VERSAROC® boards are factory sealed both sides and all edges with an acrylic based paint sealer which is white on the top side of the boards and gray on the bottom.

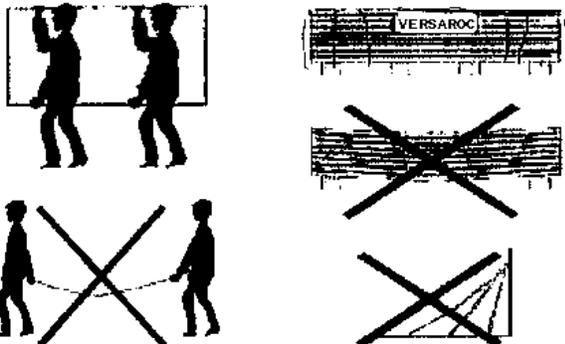
EDGES: Standard production is *uncalibrated* square edged boards. Floor and roof sheathing in thickness of 16mm (5/8") and thicker are available with tongue and groove edges on two long dimension sides or all four sides.

Sizes: Standard production is 48" x 96" and 48" x 120". Floor and roof sheathing with tongue and groove edges are supplied on thickness of 16mm (5/8") & heavier. Maximum width available is 48" and maximum length available is 120". Stocked sizes are 48" x 96". Lengths greater than 96" are special factory order. Widths and lengths less than maximums can be custom produced on special order.

THICKNESS: Standard stocked thicknesses are metric with nominal inch equivalents shown in parentheses: 10mm (3/8"), 12mm (1/2"), and 19mm (3/4"). Additional thicknesses available on factory direct shipments are: 8mm (5/16"), 16mm (5/8"), 22mm (7/8"), 25mm (1"), 28mm (1-1/8"), 32mm (1-1/4"), 36mm (1-1/2"), and 40mm (1-5/8").

TOLERANCES: Width and length = (+-) 5mm
Uncalibrated thickness tolerance = (+-) 1.5mm
Calibrated thickness tolerance = (+-) 0.3mm

TRANSPORT: VERSAROC® boards are delivered in factory crates that are bound with plastic sheet protection against the weather with wooden edge protection and wooden dunnage for side fork lift handling. When transporting loose boards by truck, they must be laid flat, fully protected against edge damage, and covered with waterproof tarps. When hand carrying single boards, they must be carried on edge with the mass of board being in the short board dimension in a vertical position.



STORAGE: VERSAROC® boards should be stored indoors with boards flat on level supports not exceeding 32" on centers. Never store boards on edges or upright. If temporarily stored outdoors, a weather protective covering must be secured over the pallets. If not in original factory crate, do not stack more than 100 boards high.

ACCLIMATIZATION: Unsealed VERSAROC® boards are delivered from the factory with a moisture content of 9% (+- 3%) and the boards are in equilibrium when the temperature is 68 degrees F. (20 degrees C) with relative humidity of 50-60%. Unsealed VERSAROC® boards remain water vapor permeable and will adapt to the ambient humidity level in which they are stored. Unsealed VERSAROC® boards must be allowed to acclimatize for 24-48 hours before installation in the working environment of their intended use. *Never install VERSAROC® boards if they are wet or damp.*

DIMENSIONAL STABILITY: Unsealed VERSAROC® boards remain vapor permeable to atmospheric humidity. Extreme variations of humidity and temperature will manifest slight dimensional changes in the boards which should be considered in the design of intended application. It is recommended to design for joints that will allow for movement.

CUTTING: VERSAROC® boards are easily cut and installed using standard carpentry tools. Use ordinary crosscut hand saws, jig saws with coarse blades, or circular power saws with 18 tooth cross-cut blades. Cut in well ventilated area, VERSAROC® contains Portland cement.

FIRE RESISTANCE: VERSAROC® is rated for 0 flame spread and 0 smoke development per ASTM E84 and noncombustible, having passed the requirements of ASTM E136 for a duration of 10 minutes.

FASTENING: VERSAROC® can be nailed or screwed to support framing members using standard carpentry tools. All fasteners should be treated for corrosion resistance. VERSAROC® contains Portland cement which is corrosive to unprotected metals.

USES / APPLICATIONS: VERSAROC® is a structural noncombustible sheathing which can be used to construct durable fire-resistant roofs, floors, and walls.

Roofs: VERSAROC® is the noncombustible solution to fire-retardant treated (FRT) plywood problems in design of noncombustible roof assemblies. It can be used over metal deck as a replacement to poured concrete while maintaining noncombustible assembly characteristics.

Floors: VERSAROC® has outstanding structural load carrying capacity and can be used as the load carrying floor deck over maximum spacing of 24 inch on center floor framing. **Walls:** Impact, fire, and weather resistant.

DISTRIBUTION: VERSAROC® is stocked and distributed by U.S. Architectural Products, Inc., from our own warehouse locations at: Dayton, NJ - Charleston, SC - Miami, FL