

Polystone® M Navy Board

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## Synthetic Decking and Batterboard for U.S. Navy Amphibious Ships

Röchling Engineered Plastics has been approved as an official manufacturer of synthetic decking and batterboard for the US Navy. Polystone® M Navy Board meets the rigid requirements defined by Naval Sea Systems Command (NAVSEA) in two Commercial Item Descriptions (CID).

**Synthetic Batterboards:** CID A-A-59001  
**Synthetic Decking:** CID A-A-59488



USS Gunston Hall



Prefabricated decking panels are positioned around the clover leaf 'tie-downs'.



Installation is very quick when the panels are cut according to the deck drawing.

Polystone® M Navy Board has a durable, non-skid surface. The panels typically range from 2-1/2" to 3-1/2" in thickness and have an "M" pattern in the bottom for weight reduction and drainage. Custom thicknesses and sizes are available. Manufactured panels are machined to the dimensional drawings provided by the naval architect prior to delivery to the ship yard.

In the past, these well decks were lined with wooden timbers that would be a sacrificial surface to protect the interior walls and floor of the ships. Today, these timbers are being converted to the synthetic material which will last much longer due to increased durability.

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According to the ship repair facility, installation of the Polystone M Synthetic Decking was a tremendous success. The fabricated (pre-cut and pre-drilled) decking panels fit precisely in the well deck according to plan. The installation team was very impressed. Panels manufactured by Röchling were flat which allowed them to install the material with less problems compared to installing other panels that had as much as a four to six inch bow.

Welded studs are positioned on the deck prior to the synthetic decking panels using a set of sophisticated templates to insure proper placement of the panels.

Prior to the synthetic decking, wood was used which had a very short life due to the abuse the panels receive from equipment entering and leaving the well deck, as well as water damage.



The "M" pattern on the bottom of each panel channels the water aft.



Polystone® M Navy Board, manufactured by Röchling Engineered Plastics, Gastonia, NC, meets the rigorous abuse the panels receive while at sea.

The expected life of the panels will be considerably longer than the wood they replaced.

For requirements or technical assistance please contact us at 800 541-4419.



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