

sphere core SBC

Sphere.core SBC is an excellent solution for making transoms up to 70 mm thickness. - - - Why?

High mechanical properties:

Laminates made with Sphere.core SBC are more resistant to pressure than laminates made with most other core materials. Furthermore the thermoplastic microspheres inside Sphere.core SBC absorb vibrations.

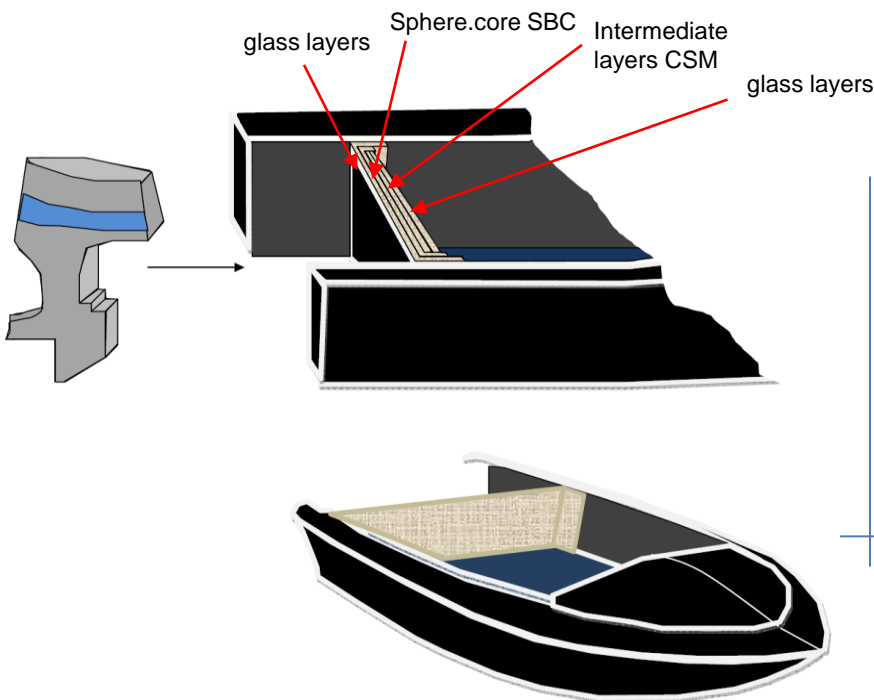
Water resistance:

The water absorption of Sphere.core SBC is comparable with solid glass laminates.

High shear strength:

Sphere.core SBC can be laminated and shaped wet-in-wet to connect the transom with the sides of the boat. In this way stress is transferred to the hull of the boat. This helps to avoid microcracks in the intersection between transom and hull.

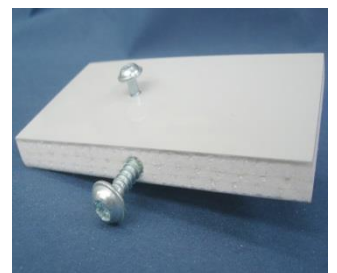
Here is a lamination suggestion for a transom of approx. 55-65 mm thickness:



Example:

- | | |
|------------------------------------|-----------|
| 1) covering glass layers (outside) | } 41,8 mm |
| 7-12 mm | |
| 2) Sphere.core SBC 10,0 mm | |
| 3) CSM 0,6 mm | |
| 4) Sphere.core SBC 10,0 mm | |
| 5) CSM 0,6 mm | |
| 6) Sphere.core SBC 10,0 mm | |
| 7) CSM 0,6 mm | |
| 8) Sphere.core SBC 10,0 mm | |
| 9) covering glass layers (inside) | |
| 7-12 mm | |

++ Laminate two layers of SBC around the corner (as shown in the drawing) to firmly connect the transom to the side walls and thus transfer stress from the transom to the hull ++



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