

## FIBERPLANK®

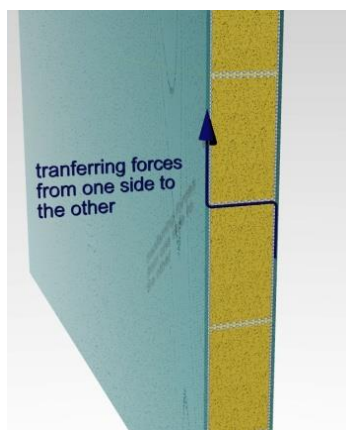
*Light weight, strong, and durable* – these are the words that describe **FiberPlank®**, the new and already tried and tested composite construction and core material.

**FiberPlank®** a composite construction material, initially intended for use in boatbuilding, is proving to be extremely versatile in many differing applications. **FiberPlank®**, for example, can be used for bulkheads, decking and all sorts of panels for which strength is important and in which high compression-forces occur.

**FiberPlank®** consists of strips of PVC-foam, for instance 25 x 45 mm, covered with a thin layer (about 1 mm) of E-glass and polyester. **FiberPlank®** can be purchased in standard sizes, but different sizes can be made on request. Apart from E-glass and polyester covers, other covers, such as aramid or carbon-fibre, can also be applied on request.



Applying **FiberPlank®** is both simple and efficient. Simply construct a panel by bonding the strips side by side, using epoxy. Then laminate an enforcement layer on both sides. The enforcement layer could be E-glass, carbon fibre, aramid or any other kind of modern reinforcement fibre.



A sandwich construction made with **FiberPlank®** is much stronger than a normal balsa-core or foam sandwich construction. This is because of the 'bridge' connection between both of the outside reinforcement layers, which enables forces to be transferred from one side to the other and vice versa. This bridge also provides a very high level of resistance against compression forces.

For more information, please check our website: [www.1Dcomposites.com](http://www.1Dcomposites.com)