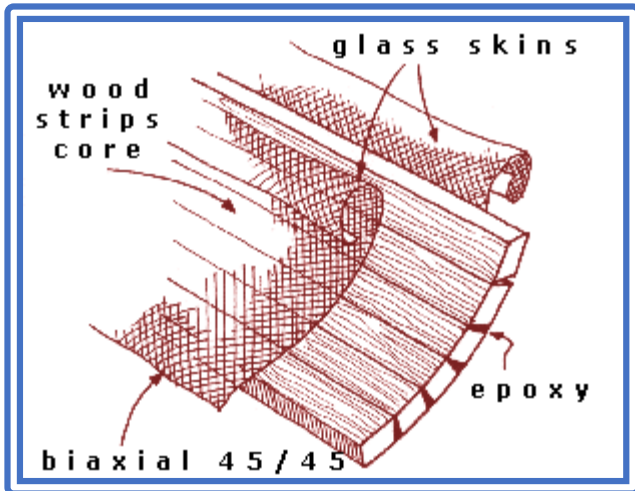


WHAT IS SHEATHED STRIP?

Sheathed Strip:

This is a combination of two well proven boat building techniques: fiberglass sandwich and strip planking. While not very common in the USA, it has been used since the 80's in Europe and Australia/New Zealand.



A hull shape is built from small strips of inexpensive wood on widely spaced molds. The strips are covered with layers of directional glass in epoxy on the outside. The hull is turned over, molds are removed, and more layers of glass are laminated inside. The result is a strong fiberglass sandwich with a wooden core. The method produces very strong hulls that are easy and inexpensive to build.

Since the wood strips are in the neutral axis, they can be made of cheap wood and no delicate joints are required.

Gaps are fine, they will be filled with resin. Assembly is very fast and no wood working skills or tools are required.

The fibers of the strips plus the in and outside skins are oriented in an ideal way if the designer specifies 45/45 for the skins.

Specifications must be calculated by an experienced designer.

Do not confuse this method with fibreglassed strip planking. Strip planked hulls can be covered with fiberglass on the outside but the fiberglass in that case is not structural, it is only used for resistance to abrasion and to lower maintenance. **In sheathed strip, the fiberglass skins are structural.** They are much thicker and made of directional glass. The wood core plays almost no structural role.