

# ALPI- Multi Laminate Natural Wood Processing



1. Trees in managed forests of indigenous hardwoods are selected and cut, with a constant care given towards long term preservation of natural resources.
2. Wood trunks are peeled to provide a 6/10th's of a millimeter thick veneer to be used in the ALPI process. Those veneers are then classified based upon quality of grain and color.

*These first two operations take place in the country where the forests are located; dried sheets are then sent to Italy for the following operations:*



3. The veneers are cut into a multitude of plies and then immersed in a chemical tank to obtain a light and homogeneous tint.
4. The plies are then put into a second tank containing a pigment/sealing solution to result in the desired final tint. This solution also helps to stabilize the color against UV rays, and the same liquid contains a sealer to assist in inhibiting moisture intrusion.
5. Once the sheets of plies are dry and stable, they are grouped according to a chosen pattern of grain and then stacked after application of a proprietary waterproof glue.
6. The assembled grouping of the previous step is then set on a mold and compressed to make a solid block of a very stable wood structure to act as the base for the final ALPI product.
7. An angled cut to shave off a thin ply of the wood block is then made. The angle chosen will determine the thickness of the desired grain width and its character. The resulting ply of wood is a fully tinted end grain with a uniform visual appeal and very good impact resistance thanks to a high modulus glue and the compression used in its making.

***Many high end furniture applications stop at step 7. Beneteau's chooses to go to additional steps to insure strength by using a "double cut technique".***



7. Beyond the above steps, impact resistance and look are greatly upgraded by making another wood block of the above plies that is then cut on an angle yet again to add further quality.
9. Quality control is observed at multiple levels on every wood sheet (tint, geometry, look, thickness, etc.)
10. The final ALPI wood sheets are then sent to our plywood manufacturers to be glued on a class "A" marine grade laminates meeting BENETEAU's strictest requirements.

***These ALPI wood panels are substantially more expensive and reliable than standard marine plywood. They are used by top of the line furniture manufacturers, as well as many exclusive super-yacht builders (for example Azimut only uses ALPI wood)***

