

TREECRAFT BLEACHED FACE & BACK PLYWOOD

Treecraft bleached plywood contains B/BB grade natural veneer and B/BB grade engineered veneer. Common options for the core include poplar and eucalyptus.

Application: Furniture, cabinetry and joinery, decorative panels, panelling, special packing, drawers, and construction.

Suitable Species for Bleaching: The best woods for bleaching include poplar, oak, beech, ash, gum, and pine. Others like cedar, redwood, rosewood, and cherry don't take bleach well.

Main Benefits of Bleaching: The bleaching process will lighten the color of plywood and remove stains, making knots turn white and giving poplar a pretty look. The surface can be painted easily and is suitable for furniture usage.

The following text will focus on how face and back poplar veneer is bleached.

Bleaching Chemicals

Main Types of Chemicals	Introduction
Oxalic Acid	Best bleach for removing iron and stains.
Chlorine Bleach	Used for removing dyes and stains.
Peroxide-Based Bleaches	Best known for lightening wood. Refers to sodium hydroxide (caustic soda) and hydrogen peroxide. Combined, their strong oxidation capacity splits the lignin-colored genes into colorless genes, blanching the stain color and altering the color of the wood itself. Safer than oxalic acid.



Bleached Veneer Treatment Procedure

1. Poplar veneer
2. Preprocessing
3. Cleaning
4. Primary bleaching
5. Cleaning
6. After-treatment
7. Cleaning
8. Drying

The Importance of After-Treatment

During the bleaching process, the cellulose is oxidatively cracked, reducing its chemical stability. After bleaching, the veneer still contains some untreated hydrogen peroxide, lye, and additives. These residual chemicals can regenerate chromophores, which is why bleached veneer may turn yellow after being stored for certain period. Experienced factories perform an after-treatment bleaching process, where the veneer is thoroughly cleaned with plenty of water until it is neutral and then drained. This process aims to reduce the residual hydrogen peroxide and prevent the veneer from yellowing.

Contact Us

Thank you for reading. If you have any questions about plywood or other wooden panels, please feel free to contact us at info@treecraft.be