

Air Quality and Health

- **Formaldehyde-Free:** The use of MDI adhesive guarantees the absence of added formaldehyde, meeting the strictest standards (ENF).
- **Market Differentiation:** The "Health/MDI" argument is included as standard, whereas the formaldehyde-free option is very expensive for other types of panels such as plywood.
- **Chemical Inertness:** After polymerization, the MDI resin is stable and moisture-resistant.

Economic and Profitability Advantages

- **Direct Cost:** HYBRITECH is significantly more economical, with a price reduction of approximately 30 to 40% compared to conventional plywood.
- **Resource Optimization:** The price per square meter is competitive thanks to optimized resource utilization, resulting in overall savings of 15 to 30% on material costs.
- **Reduced Waste:** As a homogeneous material, losses and offcuts are reduced, thus optimizing each cut.

Technical Performance and Durability

- **Moisture Resistance:** The insoluble MDI resin ensures optimal performance even in humid conditions (for interior use in humid environments according to the Declaration of Performance).
- **Structural Stability:** Thanks to its cross-laminated structure, the panel does not warp and has a very low risk of deformation compared to some wood species.
- **Mechanical Properties:** It offers excellent screw strength (900N face, 600N edge) and certified flexural strength.

Finishing and Installation

- **Surface Appearance:** Unlike standard OSB, HYBRITECH has an ultra-smooth surface thanks to the use of fine particles.
- **Labor Savings:** The surface is already fine, eliminating the grain sanding steps often required with plywood.
- **Ready to Use:** The material accepts paint or varnish directly with even absorption.