

The most important raw material for plywood is a renewable natural resource - wood. Birch (Betula pendula, hardwood) the most important raw materials in the plywood process.

Trees grow slowly in Russian climate and thus the wood it produces is close-grained and of consistent high quality.

Birch is of uniform consistency and it has excellent strength, peeling and gluing properties.

The vast majority of Birch plywood is of cross-banded construction bonded with phenol resin adhesive.

The phenol formaldehyde gluing fulfils the requirements of EN 314-2 class 3 exterior. The gluing quality may still be referred to earlier national classification such as DIN 68705: BFU 100 or BS 6566: WBP.

LEGNO Birch plywood is unique because of it's all-birch veneer core that's cross-banded and laminated with exterior grade glue, making for a Superior Grade. It also has a thicker face veneer close to 1.4mm thick than traditional plywoods. It is bonded with phenol formaldehyde adhesives, exterior quality phenolic resin adhesives commonly known as WBP (Weather and Boil Proof) and is compliant CARB regulations on formaldehyde emissions. It also complies with GERMAN BFU & European E1 standards.

LEGNO Birch Plywood is wear resistant, easy to process, resistant to temperature changes, with a rich texture of natural wood, which is safe for human health and ecologically friendly.

Due to its properties, birch plywood has been widely used as a structural material in different areas. The Most Acceptable Plywood for Laser Cutting & CNC Routing application because of its Excellent & uniform construction. The high plywood construction accuracy & tolerance to humidity makes it the most versatile & suitable plywood for every application where stability, durability, rigidity is a must.

Smooth surface and accurate thickness combined with the durability of the material makes Birch Plywood a favorable material for many special end uses. **eg: Door Jambs, Panel Doors, High end Loud Speakers, Die-cutting boards, Supporting Structure for parquet, Musical Instruments, Signs & Fences, Sports equipments, Paneled Doors, etc**



ADVANTAGES OF LEGNO BIRCH PLYWOOD

There are several advantageous properties in LEGNO Birch Plywood products making them the quality solution for your project:

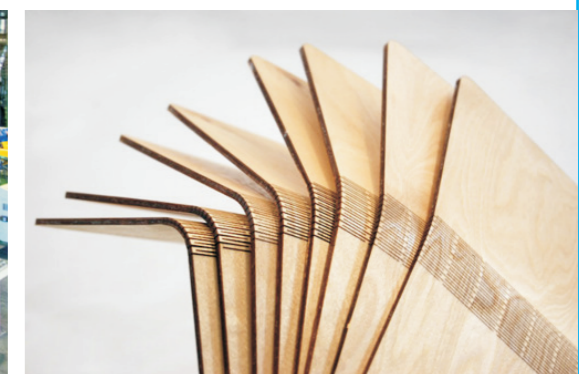
- **Favourable weight to strength ratio**
- **High durability & Strength.**
- **Easy to machine and fix using standard machining and fastening methods**
- **Superlative hardness of a surface**
- **Fast installation and easy processing**
- **Opportunity to combine with other materials**
- **LEGNO birch plywood has an attractive, fine & smooth surface. It is the ideal choice for varnishing, painting, or special applications of film. The material is highly suitable for the construction of elegant, lightweight furniture.**
- **EDGE Finish: The contrasting dark gluelines against the lighter birch veneers is often incorporated into contemporary design, consequently Birch Plywood is widely used for furniture, shelving and interiors. The uniform construction of birch plywood means that the faces and edges can easily be machined, then simply lacquered or waxed.**



Water resistance: **WBP(high)** | Class of formaldehyde emission: **E1** | Humidity: **8-10%**

Standard Sizes : 2440mm X 1220mm (8' X 4'), Special : 10' X 5' , 8' X 5'
Can be Made Available upon Request.

Thickness Available :
4mm, 6mm, 9mm, 12mm, 18mm, 24mm, 30mm



Certifications



CARB
Certified

BFU
German Standards



EU Formaldehyde
Emission Standard