



FORTE



PANGUANETA

Plywood For Life

FORTE

POPLAR PLYWOOD

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Legnoquadro (a division of Legnolandia)

FORTE has been developed as an alternative to solid wood and exotic plywood, to improve the standard properties of poplar plywood and prevent decay.

The advantages of **FORTE** are represented by the characteristics of Panguaneta poplar plywood: quality, stability, lightweight, easy machining, finishing and handling.

FORTE is part of our Project range and available in 3 different versions:

Forte: raw poplar plywood

Forte-Prime: poplar plywood coated 2 sides with melamine paper

Forte-Paint: poplar plywood coated 2 sides with MDO (Medium Density Overlay)



APPLICATIONS

- Wooden houses
- Urban furniture
- Marine industry
- Balconies
- Playgrounds
- Garden structures
- Packaging

and any use where an exterior application might be required.

DURABILITY PERFORMANCE

FORTE is proved to be durable to wood decay agents and most of factors responsible for the degradation of wood: biological, chemical, physical, thermal, mechanical.

FORTE is an innovative product, developed thanks to the continuous research on technologies applied to our standard ranges, and responds to the demand of high resistant quality products.

FORTE is now available to satisfy the demand for applications in building and furniture where external agents, fungal attacks, sun, snow and air express their full strength.

FORTE is available to respond class 3 durability according to European Standards EN 350 and related to wood-destroying fungi, termites and marine organism.

COMPOSITION



OUTER FACES

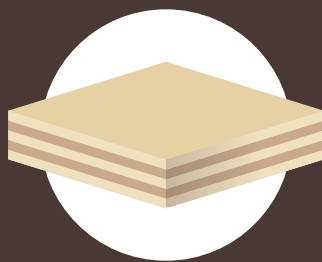
Poplar or Poplar overlaid with paper or MDO



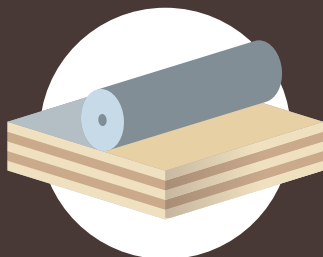
INNER CORE

Poplar

FORTE



FINISHING

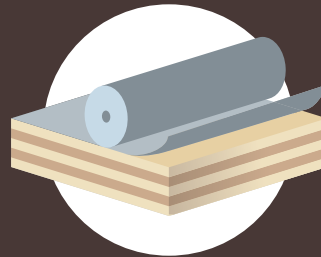


FORTE PRIME

Coated on both sides with a ready-to-paint melamine paper providing a smooth, uniform and white colored surface. Designed for both interior and exterior applications. It provides excellent adhesion with most of the standard latex, alkyd and oil based paints. It provides an exterior surface with excellent durability and resistance to moisture absorption. This product effectively masks minor panel defects and provides a machinable surface.

Paper colour: **white**

Paper weight: **200 g/m²**



FORTE PAINT

Coated on both sides with an advanced paintable Medium Density Overlay (MDO) system providing a smooth, uniform and light grey colored surface. Designed for severe exterior applications, and guaranteed for 10 years based on best practice respect. This product has been developed with the application of a thermoset acrylic latex primer topcoat that is compatible and provides excellent adhesion with most of the standard paints. It provides an exterior surface with excellent durability and resistance to moisture absorption.

Paper colour: **grey**

Paper weight: **200 g/m²**

TREATMENT PROCEDURE

The unique characteristics of **FORTE** are achieved through an innovative non-toxic vacuum pressure impregnation process, improving the resistance to UV, moisture, decay and insect attack.

FORTE is tested according to AATCC 30 - Antimicrobial Test Antifungal Activity - to determine the susceptibility of the materials to mildew and rot and to evaluate the antimicrobial efficacy of fungicides. Preservative- treatment processes do not alter the basic characteristics of plywood but do provide much improved service life for wood building materials in severe service conditions.

Properly preservative-treated wood can have 5 to 10 times the service life of untreated wood.

TECHNICAL FEATURES

| | | |
|-----------------------|-------------------------------|--------------|
| Size | 2500 x 1220 mm | |
| Thickness | 9 to 40 mm | |
| Glueing | Class 3 | UNI EN 636-3 |
| Formaldehyde emission | E1 E05-D2020 (on request) | UNI EN 13986 |
| Density | 450 - 500 kg/m ³ | UNI EN 320 |
| Module of Elasticity | 3500 - 5500 N/mm ² | UNI EN 322 |
| Certifications | PEFC™ FSC® CE2 + | |

APPLICATIONS



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