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01708 864245 | [sales@dhhpanelproducts.co.uk](mailto:sales@dhhpanelproducts.co.uk)

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An aerial photograph of a large, circular, modern architectural installation named 'Forte'. The structure is composed of numerous vertical, light-colored wooden poles of varying heights, creating a dense, forest-like appearance. It is situated on a green lawn in front of a large building with a corrugated metal roof and large glass windows. Many people are walking around the installation and the building. A semi-circular paved path leads towards the building. In the background, there are white event tents and more people. The word 'FORTE' is overlaid in a large, bold, black sans-serif font on a semi-transparent white rectangular background in the center of the image.

**FORTE**



**PANGUANETA**

Plywood For Life



# FORTE

## POPLAR PLYWOOD

Images Credits & Property:  
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

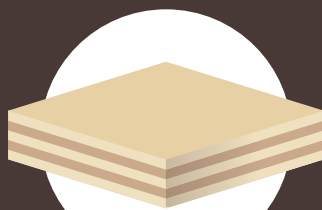
Poplar or Poplar overlaid with paper or MDO



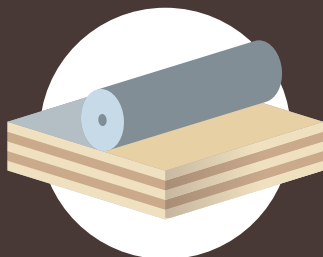
INNER CORE

Poplar

## FORTE



### FINISHING

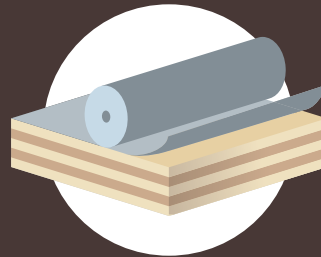


### FORTE PRIME

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/m<sup>2</sup>**



### 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/m<sup>2</sup>**

## 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 <sup>3</sup>	UNI EN 320
Module of Elasticity	3500 - 5500 N/mm <sup>2</sup>	UNI EN 322
Certifications	PEFC™ FSC® CE2 +	



## APPLICATIONS



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**PANGUANETA**  
Plywood For Life

**Panguaneta S.P.A.** Via Gino Solazzi 19 - 46018 Sabbioneta (MN) ITALIA  
Tel. +39 0375 223411 - [sales@panguaneta.com](mailto:sales@panguaneta.com)