



**Designers
Collection**
United States Edition



Courtesy of: Mobilart Yacht Furniture - Italy



Courtesy of: Agape - Italy



Courtesy of: Maiburg Hout - Holland



Courtesy of: Elton Group - Australia



PANGUANETA: THE BEST PARTNER FOR LIVING SPACES CREATORS

The Designers Collection is a specific range of products, developed thanks to the constant exchange of experiences and ideas with our customers. Panguaneta has been constantly innovating its products to offer the most specific and advanced solutions. Users of Panguaneta products verify how this choice translates into work optimization, maximum application yield, perfect results in all conditions of use. The high mechanical and aesthetic properties allow Panguaneta plywood to be used in the most diverse applications, even in the most demanding processing industries.

Thanks to its tradition and the credibility gained over the years, Panguaneta has consolidated worldwide a leading position in the plywood segment.

The company is implementing a selective expansion in product categories complementary to its core business where we were able to achieve high recognition and strong know-how. *"Making special products with a specialist approach"* has always been Panguaneta's motto that will also guide future choices.

The Designers Collection present a specific range of products designed for the most demanding applications. A support for architects and designers to better understand the potential of our high-end range.

A range with leading elements that distinguish our position as a trendsetter.

The **PureGlue range**, suitable for the highest quality wall and ceiling linings, joinery or furniture. A No Added Formaldehyde (NAF) plywood developed to significantly reduces VOC off gassing with an innovative, non-toxic, soy based bonding system.

Environmental Product Declaration (EPD®) certification in accordance with the requirements of ISO 14025. EPD certification ensures that Panguaneta transparently manages its environmental impact over the entire lifecycle, a commitment to invest in innovation and responsible production, creating value for our company and our territory. EPD is an important information and communication tool for environmental performance, especially for architects and designers in choosing the best products to meet the most strict environmental standards, based on the LCA methodology implemented by building certification bodies and protocols, such as LEED and BREEAM.



PIOPPO-SUPERIOR

Pioppo-Superior is a plywood totally made of Italian poplar veneers. Cross grain or unidirectional grain available on request. Suitable for those entire application fields that enhance all its main features: lightweight, stability, ease of cutting and machining. Pioppo-Superior Italian Poplar plywood meets the requirements of the sustainable industry thanks to the selection of environment-friendly raw materials, and it represents a very valuable contribution to the eco-friendly manufacturing. Pioppo-Superior is manufactured Carb Phase 2 certified, and also available in version Pangua PureGlue Plywood, according to N-18-191 certification from the Air Resource Board - California (ARB).

SIZES

Size (mm)		Size (inch)		Thickness (mm)	Thickness (inch)
2500 x 1220	3120 x 1250	48.5 x 46.5	48.5 x 120.5	6 ÷ 40	1/4" ÷ 1" 1/2
3100 x 1530	1830 x 1830	60.5 x 120.5	72 x 72		

GLUING



MDF-SUPERIOR

Made of outer faces in Medium Density fiber panel with thickness from 2 to 4 mm and combined with Italian poplar innerlayers. It combines the mechanical properties of MDF with the advantage of a higher lightweight and ease of machining. Product extremely versatile, suitable for any possible application, granting innovative solutions, with revolutionary design possibilities. Furniture is its ideal application field. MDF-Superior is part of Superior, a range devoted to particular purposes and to the most innovative makings. It is represented by well-selected products, high characterization and extremely careful quality control. Panguaneta plywood within the Superior range is compact, highly stable, with no signs of deformation in time.

SIZES

Size (mm)		Size (inch)		Thickness (mm)	Thickness (inch)
2500 x 1220	3120 x 1250	48.5 x 96.5	48.5 x 120.5	12 ÷ 40	1/2" ÷ 1" 1/2
3120 x 2100		82.5 x 120.5			

GLUING





BIRCH-SUPERIOR

It is a wood based plywood made of outer faces American birch veneers and Italian poplar innerlayers. On request poplar innerlayers can be also combined with birch. Outer faces available in long and cross grain direction. Its main features as durability and moisture resistance, make it suitable where structural strength is required. It combines mechanical properties similar to solid wood, but with greater regularity and stability. Birch plywood is made in accordance with technical European and international standards. Birch plywood is part of Superior, a range devoted to particular purposes and to the most innovative makings. It is represented by well-selected products, high characterization and extremely careful quality control.

SIZES

Size (mm)		Size (inch)		Thickness (mm)	Thickness (inch)
2440 x 1220	2440 x 1530	48.5 x 96.5	60.5 x 96.5	6 ÷ 40	1/4" ÷ 1" 1/2
3120 x 1250	1830 x 1830	48.5 x 120.5	72 x 72		

GLUING



MAPLE-SUPERIOR

It is a wood based plywood made of outer faces American Maple veneers and Italian poplar innerlayers. It combines mechanical properties similar to solid wood, but with greater regularity and stability. Maple plywood is part of Superior, a range devoted to particular purposes and to the most innovative makings. It is represented by well-selected products, high characterization and extremely careful quality control. Superior plywood is the flagship of Panguaneta range. Panguaneta plywood within the Superior range is compact, highly stable, with no signs of deformation in time. The cooperation with the most prestigious manufacturers in the furniture segment, led Panguaneta to develop a plywood that allows coating, varnishing, and laminating with progressively thinner, delicate and precious materials. The quality control is constant on every single step of progress, in order to obtain a final product free from defect.

SIZES

Size (mm)	Size (inch)	Thickness (mm)	Thickness (inch)
2440 x 1220	48.5 x 96.5	6 ÷ 40	1/4" ÷ 1" 1/2

GLUING





AVAILABLE FOR ALL OUR PRODUCTS: Pangua PureGlue plywood complying with **NAF** (No Added Formaldehyde) global regulations that restrict formaldehyde emissions from their interior wood products. Panguaneta is the first European plywood company to be approved since June 2014 as NAF manufacturer by the State of California Air Resource Board.

NO ADDED FORMALDEHYDE PLYWOOD

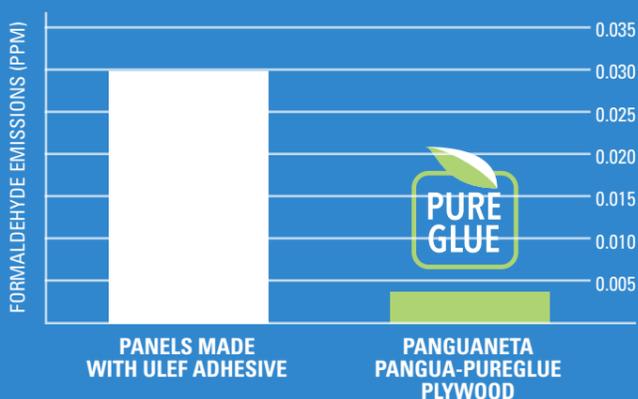
PANGUA-PUREGLUE FREE TO BREATHE BETTER!

Pangua PureGlue is a Formaldehyde-Free Plywood using a non-toxic bonding system innovation. This technology is designed to reduce formaldehyde emissions and help improve indoor air quality in schools, homes, RV-Caravan, and offices.



Formaldehyde emission

TYPICAL EMISSIONS FROM VENEER CORE PANELS (CARB Test Protocol)



Glue technology overview

Pangua PureGlue products have been developed in collaboration with **Solenis LLC**, a leading global specialty chemical company and are manufactured with **Soyad™** adhesive technology.



This environmentally-friendly adhesive, which is formulated with a proprietary cross-linking resin and natural soy flour, provides a **strong and moisture resistant bond**, without the use of formaldehyde.

Formaldehyde emission standards

Pangua PureGlue plywood panels comply with **NAF** (No Added Formaldehyde) global regulations that restrict formaldehyde emissions from their interior wood products. **Panguaneta is the first European plywood company to be approved since June 2014 as NAF manufacturer by the State of California Air Resource Board.**

NAF based resins are formulated with no added formaldehyde as part of the resin cross linking structure. **Pangua PureGlue meet or exceed Carb Phase 2** (California Air Resource Board), **F****** (Japanese Industry JIS), **AS/NZS** (Australia-New Zealand) formaldehyde emission standards.

Green features and performance advantages

The advantages of our **Pangua PureGlue** plywood begin in our **100% Made In Italy Poplar** plantations, where we take responsibility for our sustainable harvesting practices. This implies for **Panguaneta** the respect for precise procedures concerning plantations, cutting and woods flows, **creating a qualified Chain of Custody: this is Panguaneta traceability.**

Pangua PureGlue responds to new global regulations which have been enacted to restrict formaldehyde emissions from interior wood products, and help improve indoor air quality.



WHEN EVERY SECOND COUNTS



PANGUA-FIRE

Fire retardant plywood classified B-s1,d0 according to European Standards EN 13501-1 and in conformity with ASTM E-84 Class A

An engineering innovative and modern treated material, to improve safety and reduce the risk of fire. A further contribution to the use of plywood of unique properties, fantastic character with fire protection properties.

Pangua-Fire plywood is pressure impregnated, fire-retardant treated, and designed to be used for interior applications. Pangua-Fire finds application in public buildings, housing construction, offices, schools, hotels. Pangua-Fire is available for Poplar Plywood, Maple-Superior, Birch Superior.

SIZES

Size (mm)		Size (inch)		Thickness (mm)	Thickness (inch)
2440 x 1220	3120 x 1250	48.5 x 96.5	48.5 x 120.5	6 ÷ 40	1/4" ÷ 1" 1/2
3100 x 1530	1830 x 1830	60.5 x 120.5	72 x 72		

GLUING



PANGUANETA PERFORMANCE CERTIFIED!



QUALITY AND ENVIRONMENTAL CERTIFICATIONS



Organizzazione con Sistema di gestione qualità certificato UNI EN ISO 9001:2015 da CSI Spa
Organizzazione con Sistema di gestione ambientale certificato UNI EN ISO 14001:2015 da CSI Spa



PRODUCT TECHNICAL CERTIFICATIONS



PANGUA-FIRE 0497/CPR/4379



PANGUANETA SPA
California 93120 NAF
No-Added Formaldehyde
N-18-191

PANGUANETA SPA
ATCM 93120
Phase 2 and TSCA TITLE VI certified
No. 001 - TPC 016



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www.environdec.com



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