

# SOMADECK



**High durability plywood for flooring and coating.**

**Suitable for use as flooring for catwalks, stages, bleachers, decks, shelves, product storage, mezzanine floor, etc.**

## PRESENTATION

The SOMADECK panel is a marine plywood (phenolic glue WBP), produced with renewable natural resources (veneers obtained from a sustainable source of reforestation and/or forestry management).

Therefore SOMAPAR clients are contributing to a sustainable development and preservation of environment when buying our products.

## MAIN APPLICATIONS

Plywood utilized as flooring for catwalks, decks, stages, bleachers, shelves, product storage, mezzanine floor, etc.

## TECHNICAL SPECIFICATIONS

**Composition:** engineered according to EN 310 and NBR 9533 standards.

**Faces:** tropical wood veneers from species originated from areas of sustainable forest management.

**Cores:** The wood species utilized in our SOMADECK originated from reforestation. Jointed avoiding overlapping of veneers, opening, and holes. The standards of quality used, ensure a superiority when compared to most competitors. This characteristic is fundamental in ensuring the resistance to static flexion (NBR9533 and EN 310).

## STANDARD MEASURES

SomaDeck Standard	
Length (mm)	Width (mm)
2200	1100
2200	1220
2500	1100
2500	1220

### THICKNESS

18mm, 20mm, 22mm, 25mm, 28mm, 30mm. Other thickness on request.

### BORDER AS PER NBR 9535-9486 STANDARD

Sealed with paint to avoid/delay humidity absorption.

This characteristic of the product is essential to attend to the NBR 9535-9486 Standard.

This way we ensure perfect sealing, while delaying, but not avoiding the swelling and contraction phenomenon.

### GLUING AS PER EN 314, BS6566, DIN 68705 / BFU100, EN 363 AND NBR9534 STANDARDS.

The veneers are glued with a 100% waterproof WBP phenolic adhesive resin, in accordance with British standards and norms nr. 6566/8, type WBP, EN-314/2 type3, DIN 68705/BFU 100.

The SOMADECK panel meets all requirements of EN363/3 and NBR 9534/1986 Standards which guarantees a high performance when exposed to the weather.

## CUSTOMIZED MEASURES

According to the client's request.

## REFORMED MEASURES

Maximum Length: 10,000mm

Maximum Width: 2,500mm

### HUMIDITY AS PER EN 322 AND NBR 9484 STANDARDS

Max. Humidity Content 12%

### DENSITY AS PER EN 323 AND NBR 9485 STANDARDS

Over 580kg/m<sup>3</sup>



COMPANY CERTIFIED BY





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## DIMENSIONAL TOLERANCE AS PER EN 324 AND EN 315 STANDARDS

Thickness variation allowed	Variation allowed	Square	Dimensional
14 mm	$\pm 1,0$ mm	$\pm 2,0$ mm	$\pm 2,0$ mm

Standards EN 324 and EN 315

## CHARACTERISTICS

Superficial Finishing	Covering as per DIN 53799, EN 438 and S923508 Standards
Calibrated	Laminated in with black or brown phenolic film. Surface covered with anti-slip 320gr/m <sup>2</sup> + 1 smooth face with 12gr/m <sup>2</sup> .

## MACHINING AND MECHANIZATION

Upon request, it is possible to make holes, cutouts, bevels, roundness on the tops, lowering borders, union tongue and groove, union with bevel, etc.

## ADVANTAGES & BENEFITS

- The main advantage of the SOMADECK panel is it's excellent capacity of load distribution;
- The high durability of its surfaces guarantees a long lasting floor;
- Bears constant loading and unloading movements;
- Resistant to intensive people flow.

## GUARANTEES

The plywood panel has one year (12 months) guarantee against production defect, if usage instructions are followed.

Product defects are defined as:

- Delamination of venners;
- Bubles in the face, caused by brain failure;
- Product out of quality specified in the order;
- Dimensional out of the tolerances stipulated by PNQM.

## CLASSIFICATION

According to ABNT and PNQM standards.

([http://www.abimci.com.br/index.php?option=com\\_content&view=section&id=7&Itemid=19](http://www.abimci.com.br/index.php?option=com_content&view=section&id=7&Itemid=19))

## TRACEABILITY

The production lot number and/or fabrication date allows for tracing all production process and inputs, as well as identifying the origin of the raw material that compose the product.

## PACKAGING, TRANSPORT AND WAREHOUSING

Products are loaded in spare parts or in pallets in palletized way and belted with polyester tapes. The transportation and warehousing safety are guaranteed according to each client's previous negotiation and specification, always avoiding damage to the product.

## FORMALDEHYDE EMISSION EN 717-2

As determined in EN 712-2 Standard, the Somadeck panel meets the request type 1 of 3.5mg HCHO/h.m<sup>2</sup>. The test results demonstrate that the formaldehyde emission is below the limit allowed by the standard.