



NP ROLPIN
Innovation at the service of wood

CARGO

Rolpin CARGO is a **100% RESINOUS** multi-ply plywood, with an anti-skid laminated surface. It is used for floors, platforms industrial bodywork, building and industry.
Format : 2500 x 1250 mm

THE +

- Skid-resistant panel
- Resistant to moisture (CTB-X support)

OPTIONS :
Cutting and machining available upon request.



TOP SIDE skid-resistant

Face coated with a brown black phenolic film (240 g/m²), skid-resistant surface, highly resistant to abrasion.



BOTTOM SIDE smooth

Face coated with a brown black phenolic film (240 g/m²), smooth.

REGULATORY COMPLIANCE AND CERTIFICATIONS

Structural use in construction system 2 + Certificate of conformity according to **EN 13986 + A1**

Exterior conditions according to EN 636 + A1 (structural use). French NF exterior CTBX quality mark and the German BFU 100 DIN 68705 part 3 certified.

Formaldehyde emission E1 classification according to EN 717.2 standards.

Formaldehyde emission measurements reveal a clearance of 0.02 mg/L air using desiccator method ISO 12460-4. This value is 15 times lower than the Japanese F**** standard requirements, the most stringent in the world (0.3 mg/l) according to JIS A 1460 standard.

Fire reaction classification: According to EN 13501-1 +A1 Thickness > 9 mm : Euroclass D-s2, d0

Marking : CE n° 380 – CPD – 011 - EN 13986 + A1

DOP : Available on our Website

Density : 560 to 610 kg/m³

Bond quality according to EN 314-2 standard: bonding class 3 "exterior applications» water and weather resistant. Phenolic glue.



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THICKNESS, NUMBER OF PLYS, PACKAGING

The panel format is 2500 x 1250 mm (please contact us for other formats)

Thickness (mm)	10	15	18	21	24	25	27	30	35
Packaging	60	40	33	30	25	24	22	20	17
Thickness tolerance max (mm)*	10.5	15.65	18.74	21.83	24.92	25.95	28.35	31.5	36.85
Thickness tolerance min (mm)*	9.3	14.15	17.06	19.97	22.88	23.85	25.25	28.1	23.85

STORAGE

Panels should be stored in a covered and dry place and to be kept flat and level on dry rafters keeping them off the ground. Spacing between rafters is to be calculated to be suitable to the thickness and the nature of the stored panels. In case of storage in several piles, align the supports with the long side. On a construction site, plan for shelter or for covering for the panels that is simultaneously water repellent and permeable to water vapor.

IMPLEMENTATION

Use in compliance with current industry, safety, and building codes.

DIMENSIONAL PANEL TOLERANCES

They are in compliance with standard EN 315 requirements :
Length/width dimensional tolerance: ± 3.5 mm
Straightness of edges and squaring: 1 mm per linear metre

OTHER FEATURES

Thermal conductivity

$\lambda = 0.13 \text{ W/.K}$

Environmental sustainability

Maritime pine species :
Class 3 - 4 according to EN 350 part 2

Pentachlorophenol levels

< 5 ppm. (PCP)

Water vapour permeability

70 μ wet / 200 μ dry

Sound absorption

250-500 Hz = 0.10
1000-2000 Hz = 0.30

MECHANICAL SPECIFICATIONS, ACCORDING TO NF EN 789 / EN 1058

MODULUS OF ELASTICITY IN FLEXURE N/MM² - AVERAGE VALUES*

Thickness (mm)	10	15	18	21	24	25	27	30	35
Em.0.50	10 000	8500	7500	7500	7000	7000	7000	6500	8000
Em.90.50	2400	4500	5500	5500	4500	4500	4500	4000	5500

*modules to 5% exclusion are derived by multiplying the average values by: 0.645

FLEXURAL STRENGTH N/MM² SPECIFICATION VALUES TO 5% EXCLUSION

Thickness (mm)	10	15	18	21	24	25	27	30	35
fm.0.05	60	60	60	55	50	50	50	50	50
fm.90.05	40	40	40	40	40	40	40	45	40

Other specifications values for calculation according to EN 1995 - 1-1 (EUROCODE 5) are available on the website or please contact us.

MAXI LOAD POINT (Refer to website)