ROLPIN PYRO

I / II according to standard EN 635-3

NF CONTREPLAQUÉ EXTÉRIEUR CTB-X

Maritime Pine plywood (origin France)**, fire-retardant, Euroclass B-s1,d0**

01/2026

Designed for structural applications, joinery, interior design and furniture in public buildings subject to fire safety regulations.
Uses where the wood's appearance and grain are essential.



Front I



Sanded face, knot-free, with wood patches (max. 5/m^2). Occasional filler repairs.

Back II



Sanded back face with sound knots and wood patches. Occasional filler repairs.

FORMAT
2500 × 1250 mm

THICKNESS
12 to 21 mm

DENSITY
560 to 610 kg/m^3

TECHNICAL SPECIFICATIONS

Bonding: Class 3, suitable for exterior conditions (EN 314-2), resistant to water and weathering. Phenolic glue.

Reaction to fire: Euroclass B-s1,d0

Thermal conductivity: λ = 0.13 W/m·K

Pentachlorophenol content: < 5 ppm (PCP)

THE PLUS

Euroclass B-s1,d0 treatment, compliant with regulations for public-access buildings

Decorative panels

Locally sourced PEFC-certified wood

PERFORMANCES

Emissions: E1 classification (EN 13986 + A1). Our test results show values significantly lower than the requirements of the Japanese F**** standard and in compliance with the applicable European requirements (REACH).
Formaldehyde: ≤ 0.062 mg/m^3 – measured in accordance with EN 717-1.

DOP: No. 2 is available on www.nprolpin.com

Environmental stability: Maritime pine species: Class 3 - 4 (EN 350, Part 2)

Water vapour permeability: 70 µ humid / 200 µ dry

Sound absorption:
250-500 Hz = 0.10
1000-2000 Hz = 0.30

CERTIFICATIONS AND REGULATIONS

Marking: CE no. 0380-CPR-111 - EN 13501

Structural use in construction: Certificate of constancy of performance, system 1 according to EN 13986 + A1

Exterior conditions: Certified NF Contreplaqué Extérieur CTB-X according to EN 636 + A1 (structural use).

MADE IN FRANCE

Non contractual document. We reserve the right to change the technical specifications of our products without prior notice
Headquarters: 1964 rue de la Grande Lande - 40210 Labouheyre - France - Customer Service: +33 5 58 04 42 71 - contact@nprolpin.com

THICKNESS, PACKAGING

Panels measuring 2500 x 1250 mm (other sizes available on request)

Thickness (mm)	12	15	18	21	25
Packaging	50	40	33	30	24

PANEL DIMENSIONAL 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
- Thickness tolerance according to NF EN 315 stand

MECHANICAL SPECIFICATIONS according to NF 789 / EN 1058

Modulus of elasticity in flexure, N/mm^2
(average values*)

Thickness (mm)	12	15	18	21	25
Em.0.50	9000	8490	8410	7260	6390
Em.90.50	3590	4100	4180	5330	6200

Flexure strength, N/mm^2
(characteristic values at 5% exclusion)

Thickness (mm)	12	15	18	21	25
Fm.0.05	26.4	24.9	24.6	21.3	18.7
Fm.90.05	10.5	12.0	12.3	15.6	18.2

**Characteristic values (5% exclusion limit) derived by multiplying the mean values by 0.645.*

Other characteristic values for the calculation according to EN 1995 - 1-1 (EUROCODE 5): please contact us.

IMPLEMENTATION

Comply with best practice, safety regulations and the applicable building codes.

STORAGE

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

USES

Structural application as per EN 13986 + A1	Suitable for use as an exterior structural element corresponding to service class 3 as per ENV 1995-1-1
Floor applications	Refer to DTU 51.3 // “Wood-based flooring or paneling”
Roofing applications	Refer to DTU 43.4 // “Roofing work with wooden bearing elements and wood-based panels with water-tight coatings”

BENDING RADIUS

Thickness (mm)	12	15	18
Longitudinal direction	3000	3750	4750
Transverse direction	2400	3000	3800

RESISTANCE AT FASTENINGS (e = 15 mm)

Nails	Average lift-off force	Rough finish and edge: 30 daN
Screw	Average traction force	Rough finish: 145 daN / Edge: 115 daN

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