ROLPIN ROLAY

II / III according to EN 635-3 standard

NF CONTREPLAQUÉ EXTÉRIEUR CTB-X

Maritime Pine plywood (origin France)

01/2026

Used for furniture frames and carpentry, building structures, packaging.



Front II



Closed face sanded, with sound knots and wood patches.
Ad hoc sealant repairs.

Back III



Back face unsanded and not repaired, possibly with holes, knots and cracks.

FORMAT
2500x1250 mm

THICKNESS
9 to 38 mm

DENSITY
560 to 610 kg/m^3

TECHNICAL SPECIFICATIONS

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

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

Thermal conductivity: λ = 0,13W/m.K

Pentachlorophenol levels: < 5 ppm (PCP)

PERFORMANCES

Emissions: E1 classification (EN 13986 + A1). Our tests results show values that are clearly below 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. 3 available on www.nprolpin.com

Environmental sustainability: Maritime pine species: Class 3 - 4 according to 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

OPTIONS

Custom cutting and machining

TG2 machining: tongue & groove on long edges

THE PLUS

Decorative panels

Locally sourced, PEFC-certified wood

CERTIFICATIONS AND REGULATIONS

Marking: CE n° 0380-CPR-11 - EN 13986 + A1

Structural use in construction: Certificate of constancy of performance, **system 2+** according to EN 13986 + A1

Exterior conditions: Certified NF Contreplaqué Extérieur CTB-X and BFU 100 DIN 68705 part 3 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, TOLERANCES

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

Thickness (mm)	9	10	12	15	18	21	25	30	38
Packaging	65	60	50	40	33	30	24	20	15
Thickness tolerance max (mm)*	9.4	10.5	12.5	15.6	18.7	21.8	25.9	31.5	39.1
Thickness tolerance min (mm)*	8.4	9.3	11.3	14.2	17.1	20.0	23.9	28.1	36.5

**according to NF EN 315*

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 meter
- Thickness tolerance according to NF EN 315 standards

MECHANICAL FEATURES according to NF 789 / EN 1058

Modulus of elasticity in flexure n/mm^2 (averages values*)

Thickness (mm)	9	10	12	15	18	21	24	25	30	38
Em.0.50	12400	9490	9000	8490	8410	7260	8190	6390	8080	5830
Em.90.50	190	3100	3590	4100	4180	5330	4400	6200	4510	6760

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

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

Thickness (mm)	9	10	12	15	18	21	24	25	30	38
Fm.0.05	36.3	27.8	26.4	24.9	24.6	21.3	24.0	18.7	23.7	17.1
Fm.90.05	0.6	9.1	10.5	12.0	12.3	15.6	12.9	18.2	13.2	19.8

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

IMPLEMENTATION

Comply with current industry, safety, and 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 vapor.

USES

Structural application as per EN 13986 + A1, EN 636-3	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)	10	12	15	18
Longitudinal direction	2500	3000	3750	4750
Transverse direction	2000	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

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