



NP ROLPIN
Innovation at the service of wood



UTI

III / III

according to EN 635-3 standard

NF CONTREPLAQUÉ EXTÉRIEUR CTB-X

Rolpin UTI is a **MARITIME PINE** plywood (origin France).
Used for packaging, crating, lost formwork,
bracing, non-visible structures and work-site protection.
Format : 2500 x 1250 mm

The +

- Very resistant panels
- NF Extérieur CTB-X Structure

VARIANTS :

UTI III+/III : One side sealed sanded

OPTIONS:

Cutting and machining available upon request.



FRONT III

Face not repaired, possibly with knotholes and cracks



BACK III

Face not repaired, possibly with knotholes and cracks

Finish: Both faces are not sanded

REGULATORY COMPLIANCE AND CERTIFICATIONS

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

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

Formaldehyde emission E1 classification according to EN 13986 + A1. Our test results show values that are clearly below the requirements of the Japanese F**** standard and in compliance with the German regulation (E05).

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.



www.rolpin-placage.fr

THICKNESS, PACKAGING, TOLERANCES

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

Thickness (mm)	9	10	12	15	18	21	25	30	35	38
Packaging	65	60	50	40	33	30	24	20	17	15
Thickness tolerance max (mm)*	10	11.1	13.1	16.2	19.3	22.4	26.5	31.7	36.8	39.9
Thickness tolerance min (mm)*	8.4	9.3	11.3	14.2	17.1	20	23.9	28.7	33.6	36.5

* according to NF EN 315

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.

IMPLEMENTATION

To comply with current industry, safety, and building codes.

PANEL DIMENSIONAL TOLERANCES AREAS FOLLOWS

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

OTHER FEATURES

Thermal conductivity

$\lambda = 0.13W/.K$

Environmental sustainability

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

Pentachlorophenol levels

< 5 ppm. (PCP)

Water vapour permeability

70 μ humid / 200 μ dry

Sound absorption

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

MECHANICAL FEATURES, ACCORDING TO NF EN 789 / EN 1058

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

Thickness (mm)	9	10	12	15	18	21	25	30	35	38
Em.0.50	12130	9870	11020	9970	9330	8960	8380	8160	7870	7740
Em.90.50	460	2720	1570	2620	3260	3630	4210	4430	4720	4850

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

FLEXURAL STRENGTH N / MM² CHARACTERISTIC VALUES AT 5% EXCLUSION

Thickness (mm)	9	10	12	15	18	21	25	30	35	38
fm.0.05	35.5	28.9	32.3	29.2	27.3	26.2	24.5	23.9	23.1	22.7
fm.90.05	1.4	8.0	4.6	7.7	9.6	10.7	12.4	13.0	13.8	14.2

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

USES :

Structural application as per EN 13986+ A1, EN 636-3
Floor applications
Roofing applications

BENDING RADIUS (mm) :

Thickness	10	12	15	18
Longitudinal direction	2500	3000	3750	4750
Transverse direction	2000	2400	3000	3800

Suitable for use as an exterior structural element corresponding to service class 3 as per ENV 1995-1-1

Refer to DTU 51.3 // "Wood-based flooring or paneling"

Refer to DTU 43.4 // "Roofing work with wooden bearing elements and wood-based panels with water-tight coatings"

RESISTANCE AT FASTENINGS (e = 15mm) :

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

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