



NP ROLPIN
Innovation at the service of wood

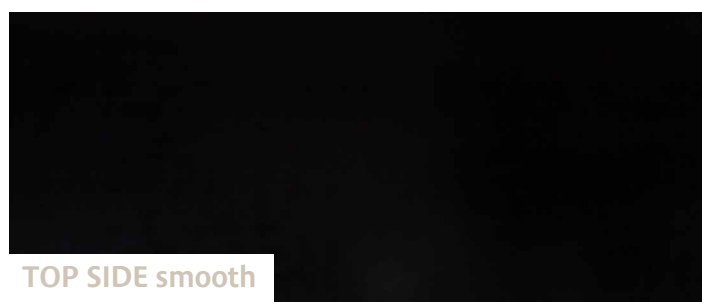
FILME

Rolpin FILME is a **100% RESINOUS** multi-ply plywood, with top-of-the-range lamination (400g/m²) allowing it to be used for heavy duty panelling. It is used for concrete formwork.
Format: 2500 x 1250 mm

THE +

- NF FORM-WORK CTB-C
- Resistant to moisture (CTB-X support)

OPTIONS :
Cutting available upon request.



TOP SIDE smooth

Face coated with a brown black phenolic film (400 g/m²), smooth



BOTTOM SIDE smooth

Face coated with a brown black phenolic film (400 g/m²), smooth

REGULATORY COMPLIANCE AND CERTIFICATIONS

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

Exterior settings according to NFB 54162 standard with gluing NFB 314-2 standard part 3

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 : 610 to 630 kg/m³

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



www.rolpin.com

THICKNESS, NUMBER OF PLYS, PACKAGING

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

Thickness (mm)	15	18	21	30
Number of plies	7	7	9	11
Packaging	40	33	30	20
Thickness tolerance max (mm)*	15.65	18.74	21.83	31.1
Thickness tolerance min (mm)*	14.15	17.06	19.97	28.1

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. In the event of storage over 6 months, be sure to again treat the edges with water resistant paint with paint

PRECAUTIONS FOR USE

Release agent

Panel pretreatment with releasing oil prior to first use. Then apply another coat prior to each use Comply with the manufacturer requirements.

Cleaning

Immediately after use, the panels are to be cleaned using a couchgrass brush, dried and stored. Damaged portions can be repaired using epoxy putty.

IMPLEMENTATION

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

OTHER FEATURES

Thermal conductivity
Environmental sustainability

Pentachlorophenol levels
Water vapour permeability
Sound absorption

Resistant to abrasion
Cladding adhesion

$\lambda = 0.13W/.K$

Maritime pine species:
Classe 3 - 4 according to EN 350 part 2
< 5 ppm. (PCP)

70 μ wet / 200 μ dry

250-500 Hz = 0.10

1000-2000 Hz = 0.30

850

according to EN 54 162 > Mpa

DIMENSIONAL PANEL TOLERANCES

They are in compliance with standard EN 315 requirements:
Length/width dimensional tolerance: ± 3.5 mm
Squareness tolerance: 1 mm per linear metre

MECHANICAL SPECIFICATIONS, ACCORDING TO NF EN 789 / EN 1058

Thickness (mm)		15	18	21	30
Bending modulus of elasticity (N/mm²)	Em.0.50	9166	7894	7947	7248
(EN 789/1058)	Em.90.50	3280	4606	4553	5249
Resistant to bending (N/mm²)	fm.0.05	25	21.6	21.1	18.1
(EN 789/1058)	fm.90.05	13.5	17.5	15.8	15.5

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

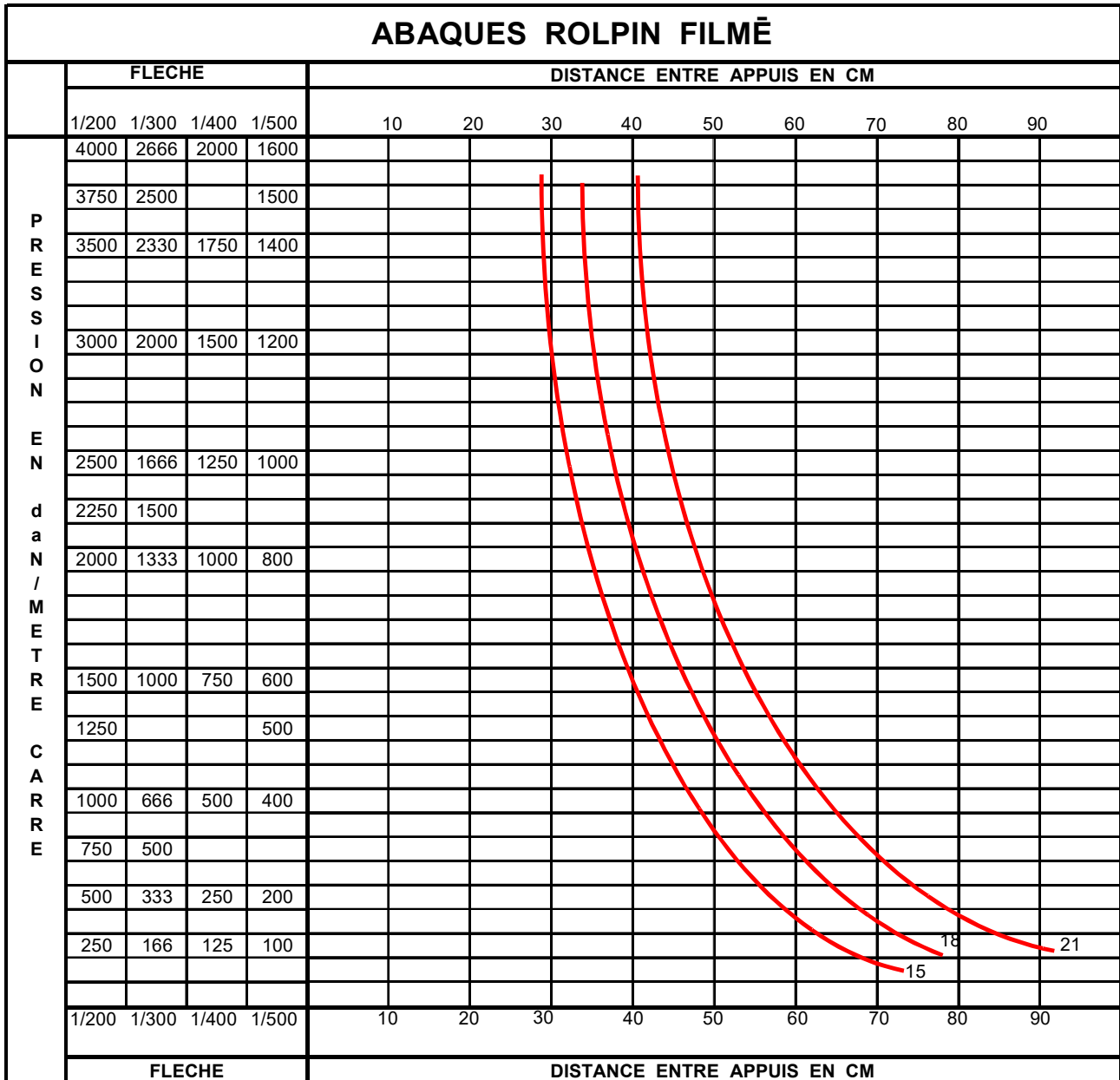
ACCORDING TO THE SELECTED ALLOWABLE DEFLECTION, THE CHARTS HELP TO DETERMINE

- * Permissible pressure, knowing the thickness and spacing between supports
- * Spacing between supports, knowing the thickness and pressure
- * Thickness knowing the spacing between supports and pressure

Example :

a 15 mm panel using a pressure of 1,500 Kg/m² allows for support spacing of 40 cm for a deflection of 1/200

A coefficient of 0.90 is applicable to loads shown in the charts in the use of panels with parallel supports on the long side.





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