



Laudio-Form

Plywood for Shuttering

DESCRIPTION

It is a plywood with surface covering based on films of phenolic resins, produced by means of hot pressure. In this way, we get a surface very resistant to abrasion and erosion enabling many different uses providing the highest quality in the final formwork.

It is produced with a covering on one or both surfaces, with different degrees of resistance against erosion depending on the use and the number of times it is enforced. It is specially successful for vertical boardings.



MECHANICAL AND PHYSICAL CHARACTERISTICS

DIMENSION	2.500x1.250 / 3.000x1.500 mm.									
DENSITY (Kg./m ³) +/-5%	575									
RESISTANCE PROPERTIES (N/MM ²) (CHARACTERISTIC STRENGTH)	9 mm		12 mm		15 mm		18 mm		21 mm	
	//	⊥	//	⊥	//	⊥	//	⊥	//	⊥
FLEXION	28,5	110	185	85	200	100	200	135	150	120
SHEAR	30	30	30	30	30	30	30	30	30	30

	9 mm		12 mm		15 mm		18 mm		21 mm		24 mm		27 mm		30 mm	
STIFFNESS PROPERTIES E MODUL (N/MM ²)	//	⊥	//	⊥	//	⊥	//	⊥	//	⊥	//	⊥	//	⊥	//	⊥
BENDING	9100	2400	7700	3800	7300	4200	6800	4700	6500	5000	6700	4700	6400	5100	6300	5200

SAFETY FACTOR

According to humidity content (humidity conditions):	Modification Factor	According to load duration classes	Resistance	Stiffness
- Bending Strength	0,6	· Short duration	1,3	0,85
· Shear Strength	0,7			
· Modulus of Elasticity	0,7			

CURVED SHUTTERING

Thickness	12 mm.	15 mm.	18 mm.	21 mm.
Curvature radio (m)				
Curved lengthways sense to the fibres	3,75	5	5,5	6
Curved transversal sense to the fibres	2,5	3,75	4,3	5

- The data in these tables is based on the EN 789 Test Norm, and on the EN 1058, calculation of characteristics values for wood structures.
- The plywood manufactured with phenolic film, are subjected to rigorous controls defined by the norm EN 314-2 class 3 (external conditions) of quality of gluing.
- Dimensional tolerances based on EN 315.

COMMENTS:

- Other measures different to the standard ones may be produced under consultation, as well as different surface resistances to erosion (abrasion).
- All plywood are side protected with special paint.

DIAGRAMS FOR USE (For 3 or more supports)

HOW TO USE THE DIAGRAM

It connects 4 variables

- Distance between support (cm.)
- Load on the board (kg./m²)
- Thickness of the board (mm.)
- Deformation (mm.)

If three of them are known, the fourth one can be calculated.

EXAMPLE

- Distance between support: 40 cm.
- Thickness of the board: 18 mm.
- Permissible deformation: 1 mm.
- Permissible load: 2.500 kg./m².

TO USE THE BOARD ON TWO SUPPORTS, THE RESULTING DISTANCES BETWEEN 3 SUPPORTS WILL BE DIVIDED BY 1,25.

