

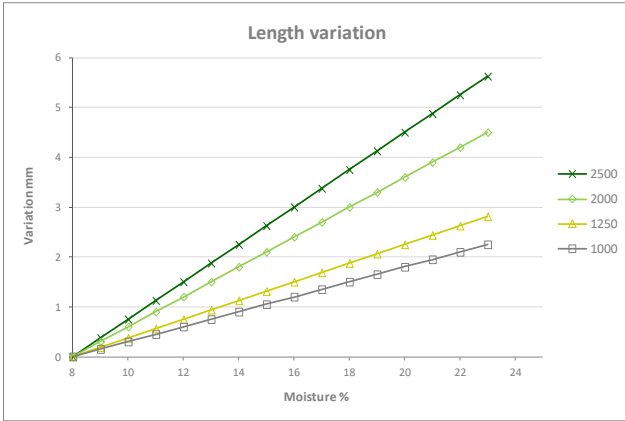
- **Product description:** Plywood of pine radiata and Eucalyptus Globulus, sourced from sustainable forests, with both faces coated with phenolic film and protected edges with water resistant paint. Glued PF for exterior application. (Phenol Formaldehyde)
- **Certificate of compliance control factory production:** 0099/CPR/A65/0005
- **Valid for structural application:** CE 2+ according to EN 13986. FT-062F-CPR-1/07/2013
- **Employment:** Wall and slab formwork.
- **Phenolic film surfaces:**
Coating the faces enhances protection against abrasion and damage weather, and reduces the water penetration.
FORM: The face and reverse side have dark brown phenolic film with a standard density of 170 g/m² and a smooth finish.
On request, the film can be customized, the color can be changed and is possible to combine different films.
- **Mechanical and physical properties:**
Number of veneers: 7
Lay up: – | – | – | –

– (long grain)
| (cross grain)
| Eucalyptus

Density (± 5%)	680 Kg/m ³	
Property (N/mm ²)	//	⊥
Bending strength	37,3	38,0
Modulus of elasticity in bending	9068	8466
Characteristic strength values for bending according to EN 789 and EN 1058		
Mean values for modulus of elasticity according to EN 789		
Dimension tolerances according to EN 315	Length-Width: up to ± 3,5 mm	
	Squareness of panels: 1 mm/m	
Nominal thickness according to EN 315	14,15 ÷ 15,65 mm	
	On the same panel 0,6 mm	
Thickness tolerance Maderas de Llodio	± 0,2 mm	
Values of the table relating to a panels moisture content of 12%		

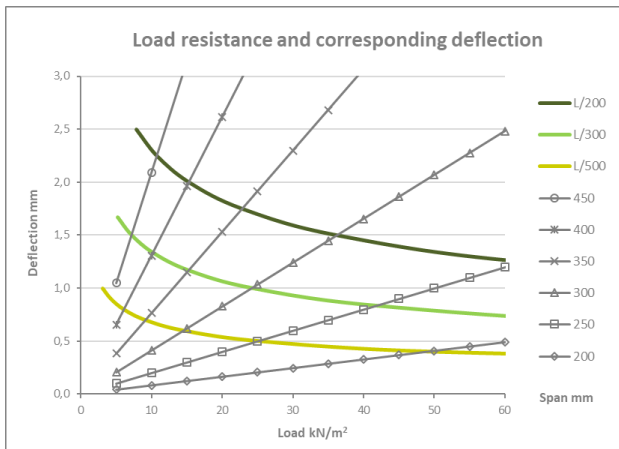
- **Abrasion resistance (TABER)** s/UNE EN 438-2: 350 r.p.m. on the face and reverse side.
- **Panel shearing strength:** (characteristic value) 3 N/mm², according to EN 12369-2.
- **Modulus of rigidity in panel shear:** (mean value) 300 N/mm², according to EN 12369-2.
- **Rolling strength:** (characteristic value) 0,5 N/mm², according to EN 12369-2.
- **Modulus of elasticity in rolling:** (mean value) 20 N/mm², according to EN 12369-2.
- **Glueing quality:** Class 3, exterior, according to EN 314-2 WBP (Water Boiling Proof) according to BS 1088.
- **Fire performance:** NPD.
- **Vapour permeability:** Humid cup 70 μ and Dry cup 200 μ, according to table 9, EN 13986.
- **Formaldehyde emission:** E1, according to EN 717.2.
- **Sound reduction index:** 0,1 f (250-500) Hz, 0,3 f (1000-2000) Hz, according to table 10, EN 13986.
- **Thermal conductivity:** λ = 0,13 W/(m.K), according to table 11, EN 13986.
- **Intended use:**
External use in construction as structural element with edge sealing. EN 636-3-S.

Dimensional variations with variation of moisture content

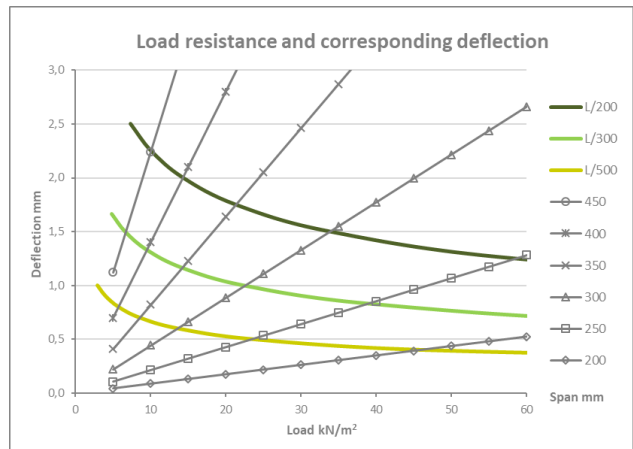


Panel deflection related to span length and uniformly distributed load
(Simple bending analysis. Orientative values)

Supports parallel to the short side of the panel



Supports parallel to the long side of the panel



k_{mod} and k_{def} values according to EN 1995-1-1.