



Application: Repo P2 boards for furniture for use in dry conditions.
Repo P3 moisture-resistance boards for use in humid conditions (available only in 16 mm thickness)

Mechanical and physical properties

Repo P2 and P3 board complies with the European Standard EN-312

Requirements of P2 particleboard for interior fitments for use in dry conditions:

Properties	Unit	Requirement		
Size	mm	2750 x 1830		
Thickness	mm	8, 10, 12	15, 16 18, 19	22, 25
Density	kg/m ²	650 - 700		
Tolerance on nominal dimensions:				
- Thickness (sanded) within and between boards	mm	± 0.3		
- Length and width	mm	± 5		
Squareness tolerance	mm/m	2		
Moisture content	%	5 - 13		
Formaldehyde release according to EN 13986: Class E1	mg/100 gr	< 8.0		
Bending strength	N/mm ²	13	13	11.5
Internal bound	N/mm ²	0.4	0.35	0.3
Surfaces soundness	N/mm ²	0.8		

Requirements of P3 particaleboard for use in humid conditions

Mechanical and swelling

Properties	Unit	Requirement
Thickness	mm	16*
Bending strength	N/mm ²	14
Internal bound	N/mm ²	0.45
Swelling in thickness, 24h	%	14

* P3 Boards available only in 16mm thickness.

Moisture resistance

Properties	Unit	Requirement
Internal bond after cyclic test	N/mm ²	0.13
Swelling in thickness after cyclic test	%	13