

Product data sheet

Repo by Sorbes MFC

Melamine Faced Chipboard

Application:

P2 - boards for interior fittings including furniture for use in dry conditions.

P3 - moisture-resistant boards for use in humid conditions.

Mechanical and physical properties

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

Repo by Sorbes MFC complies with EN 14322.

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

Properties	Unit	Test method	Requirement		
Size	mm		2750x1830, 5500x1830		
Thickness	mm		10, 12	15, 16, 18, 19	22, 25
Density	kg/m ³	EN 323	630 – 720		
Tolerances on nominal dimensions:		EN 14323			
Thickness (sanded)	mm	EN 14323	± 0.3	± 0.5	
within and between boards					
Length and width		EN 14323			
- commercially available sizes	mm		± 5		
- pre-cut panels	mm		± 2,5		
Squareness tolerance	mm/m	EN 324-2	< 2		
Edge damage					
- commercially available sizes	mm	EN 14323	< 10		
- pre-cut panels	mm		< 3		
Moisture content	%	EN 322	5–13		
Formaldehyde release E1 boards	mg/100 g	EN 120	Class E1 < 8		
Formaldehyde emission Carb II boards	ppm	ASTM E 1333-96	< 0,09		
Bending strength	N/mm ²	EN 310	13	13	11,5
Internal bond	N/mm ²	EN 319	0.4	0.35	0.3
Surface soundness	N/mm ²	EN 311	0.8		
Surface defects	mm ² /mm		spots < 2		
	mm/m ²	EN 14323	length < 20		
Resistance to scratching	N	EN 14323	> 1,5		
Resistance against stains	Rating	EN 14323	> 3		
Resistance to cracking	Rating	EN 14323	> 3		
Fire behaviour of Repo by Sorbes MFC	Euro class	EN 13501-1	D-s2, d0		