

Product Number: **REP\_MFC\_30\_0330**  
 Product Name: **Rigoletto Anthracite**



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)

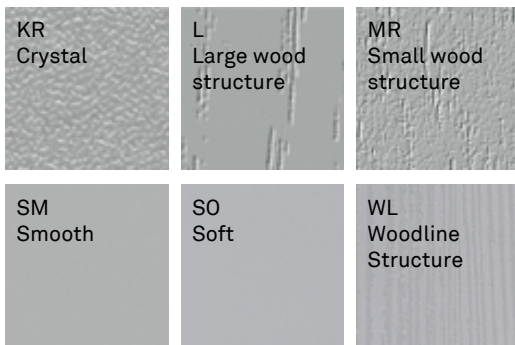
**Mechanical and physical properties**

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	<del>8, 10,</del> 12	15, 16 18, 19	22, 25
Density	kg/m <sup>2</sup>	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 <sup>3</sup>	13	13	11.5
Internal bound	N/mm <sup>3</sup>	0.4	0.35	0.3
Surfaces soundness	N/mm <sup>3</sup>	0.8		

**Surface texture MFC boards**



**Requirements of P3 particaleboard for use in humid conditions**

**Mechanical and swelling**

Properties	Unit	Requirement		
Thickness	mm	16*		
Bending strength	N/mm <sup>2</sup>	14		
Internal bound	N/mm <sup>2</sup>	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 <sup>3</sup>	0.13		
Swelling in thickness after cyclic test	%	13		

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**Standard packaging MFC boards**

Thickness mm	Boards pcs/package	Quantity m <sup>2</sup>	Weight kg	Height mm
<del>10</del>	50	2.5	1880	500
12	45	2.72	1970	540
15	37	2.79	1980	565
16	35	2.82	1983	560
18	30	2.72	1954	540
19	30	2.87	1988	570
22	25	2.77	1936	550
25	22	2.77	1988	550

