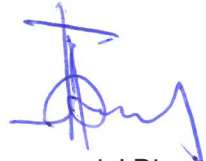


## Technical data sheet

### Melamine faced Particle boards type P2 E1

Technical characteristics	Unit	Thickness [mm]					Standard	
		>6+13	>13+20	>20+25	>25+32	>32+40		
<b>General requirements</b>								
1	<b>Density</b>	kg/m <sup>3</sup> ± 10 %	720	670	650	630	620	EN 323
2	<b>Tolerance of thickness</b>	mm	± 0.3		± 0.5			EN 324-1 EN 14323
3	<b>Tolerance on length and width</b>	mm/m	± 5					EN 324-1 EN 14323
4	<b>Squareness tolerances</b>	mm/m	2					EN 324-2 EN 312
5	<b>Edge straightness tolerance</b>	mm/m	1,5					EN 324-2 EN 312
<b>General requirements – mechanical properties</b>								
6	<b>Bending strength</b>	N/mm <sup>2</sup>	≥ 11	≥ 11	≥ 10.5	≥ 9.5	≥ 8.5	EN 310 EN 312
7	<b>Modulus of elasticity in bending</b>	N/mm <sup>2</sup>	≥1800	≥1600	≥1500	≥1350	≥1200	EN 310 EN 312
8	<b>Internal bond</b>	N/mm <sup>2</sup>	≥ 0.40	≥ 0.35	≥ 0.30	≥ 0.25	≥ 0.20	EN 319 EN 312
9	<b>Surface soundness</b>	N/mm <sup>2</sup>	> 0.8					EN 311 EN 312
10	<b>Formaldehyde release – E1</b>	mg/100g	≤ 8					EN 12460-5 EN 312
11	<b>Moisture content</b>	%	5 ÷ 13					EN 322 EN 312
Technical characteristics	Unit	Value					Standard	
<b>Surface properties – according EN 14322</b>								
12	<b>Edge chipping</b> Complete format	mm	≤ 10					EN 14323
13	<b>Surface defects</b> points	mm <sup>2</sup> /m <sup>2</sup>	≤ 2					EN 14323
14	<b>Surface defects</b> length	mm <sup>2</sup> /m <sup>2</sup>	≤ 20					EN 14323

15	<b>Resistance to scratching</b>	N	$\geq 1.5$	EN 14323
16	<b>Resistance of staining</b>	grade	$\geq 3$	EN 14323
17	<b>Resistance of cracking</b>	grade	$\geq 3$	EN 14323
18	<b>Bonding strength</b>	N/mm <sup>2</sup>	$\geq 0.9$	EN 311



Commercial Director  
Nikolay Bankov

Approved by



Production Director  
Radovan Caha

Technical data sheet: Melamine faced Particle boards type P2 E1 - Revision 01/13.10.2021  
Prepared by: M.Pachikova – laboratory manager