

# TECHNICAL DATA SHEET - BOARD / CARB PHASE 2

Fantoni Divisione Pannelli Boards Division		Scheda prodotto/ Technical Data Sheet Type: MDF "5E" (CARB PHASE 2) General PURPOSE in dry conditions for moulding						CE EN 13986 MDF E1 Cod. QPXRW			
		Range of nominal thickness									
Physical – Technical Characteristics	Test Method	Unit	8 – 12 min <sup>1</sup> med <sup>2</sup>		>12 – 19 min <sup>1</sup> med <sup>2</sup>		22 – 25 min <sup>1</sup> med <sup>2</sup>		28 – 30 min <sup>1</sup> med <sup>2</sup>		
Internal bond	EN 319	N/mm <sup>2</sup>	0,8	1,2	0,8	1,2	0,7	1,0	0,7	0,9	
Bending strength	EN 310	N/mm <sup>2</sup>	25	39	25	37	23	33	20	29	
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	2600	3153	2300	2960	2100	3020	2100	3162	
Thickness swelling 24 hr.	EN 317	%	15	10,5	12	10	10	8	10	7	
Screwholding Face Edge	EN 320	N	N/A	N/A	1100		1000		900		
	EN 320	N			900		750		700		
Surface soundness	EN 311	N/mm <sup>2</sup>	1,2	2,0	1,2	2,0	1,2	1,9	1,2	1,6	
Surface absorption	EN 382-1	mm	150	220	150	250	150	308	150	290	
Density	EN 323	Kg/m <sup>3</sup>	800 ± 5%		780 ± 5%		780 ± 5%		780 ± 5%		
Thickness tolerance	EN 324-1	mm	± 0.2								
Length & width tolerance	EN 324-1	mm/m	± 2.0 mm/m, absolute maximum ± 5.0 mm								
Squareness	EN 324-2	mm/m	± 2.0								
Moisture content	EN 322	%	4 - 11								
Sand content	ISO 3340	%	≤ 0.05								
Formaldehyde <sup>3</sup> CARB P2	ASTM	ppm	≤ 0,11								

1 – Typical Fantoni Values  
according to EN 622-5

2 – CE Fantoni S.p.a. EN13986

- MDF-E1, D-S2, d0. This board  
with thickness ≥ 9,0mm

complies with EN13986