

SM'art Melamine Faced Hydro MDF technical data sheet

property	test method	unit of measure	SM'art MFC on Hydro MDF		
surface defects		mm ² /m ²	≤ 2		
		mm/m	≤ 20		
scratch resistance	EN 14323	N	≥ 1,5		
stain resistance	EN 14323	level	≥ 3		
cracking resistance	EN 14323	level	≥ 3		
wear resistance	EN 14323	Taber revolution	Class	IP	WR
			1	< 50	< 150
			2	> 50	≥ 150
			3A	≥ 150	≥ 350
			3B	≥ 250	≥ 650
thickness tolerance one decorative side only two decorative sides	EN 14323	mm	< 15 mm	15 mm to 20 mm	> 20 mm
			+/- 0,3	+/- 0,3	+/- 0,3
			+/- 0,5	+/- 0,5	+/- 0,5
size tolerance	EN 14323	mm	+/- 5		
flatness	EN 14323	mm/m	≤ 2		
edge damage	EN 14323	mm	≤ 10		
squareness	EN 14323	mm/m	≤ 2		
density	EN 323	thickness Kg/m ³	8 - 13 mm	14 - 20 mm	20 - 25 mm
			780 +/- 7 %	730 +/- 7 %	710 +/- 7 %
tear resistance	EN 319	thickness N/mm ² minimum	8 - 13 mm	14 - 20 mm	20 - 25 mm
			0.40	0.35	0.30
flexion resistance	EN 310	thickness N/mm ² minimum	8 - 13 mm	14 - 20 mm	20 - 25 mm
			22	20	18
elasticity module	EN 310	thickness N/mm ² minimum	8 - 13 mm	14 - 20 mm	20 - 25 mm
			2700	2200	2000
swelling after 24 hours water immersion	EN 317	%	8 mm	12 -19 mm	19 - 25 mm
	EN 317		12	8	7
moisture content	EN 322	%	6-10		
formaldehyde emission	EN717-1	mg/m ³	E05	required < 0,062	actual 0.007
	EN717-1	ppm	E05	< 0,050	0.006
	ASTM E1333-96	ppm	Carb 2	< 0,090	0.006
fire reaction	EN 13501		D-s2, d0		