

SM'art TFT on MDF technical data sheet

property	test method	unit of measure	SM'art TFT on MDF		
surface defects		mm ² /m ² mm/m	≤ 2 ≤ 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 +/- 0,3 +/- 0,5	15 mm to 20 mm +/- 0,3 +/- 0,5	> 20 mm +/- 0,3 +/- 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 780 +/- 7 %	14 - 20 mm 730 +/- 7 %	20 - 25 mm 710 +/- 7 %
tear resistance	EN 319	thickness N/mm ² minimum	8 - 13 mm 0.40	14 - 20 mm 0.35	20 - 25 mm 0.30
flexion resistance	EN 310	thickness N/mm ² minimum	8 - 13 mm 22	14 - 20 mm 20	20 - 25 mm 18
elasticity module	EN 310	thickness N/mm ² minimum	8 - 13 mm 2700	14 - 20 mm 2200	20 - 25 mm 2000
swelling after 24 hours water immersion	EN 317 EN 317	% %	8 mm 17	12 -19 mm 12	19 - 25 mm 10
humidity	EN 322	%	5 - 13		
formaldehyde emission	EN717-1 EN717-1 ASTM E1333-96	mg/m ³ ppm ppm	E05 E05 Carb 2	required < 0,062 < 0,050 < 0,090	actual 0.007 0.006 0.006
fire reaction	EN 13501		D-s2, d0		
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