

SM'art MIRROR HC, GLASS HC, technical data sheet

PMMA Hard Coated, micro scratch resistant and easy to clean, bonded with polyurethane glue on MDF 14/18 mm and balanced with PS compact polystyrene.

Mirror - Item code AM01 - final thickness: 18/22 mm

Glass - all item codes - final thickness: 18/22 mm

Suitable for wood working machinery, lighter than galss and hugely less brittle.

property	test method	unit of measure	SM'art MIRROR HC SM'art GLASS HC		
density	EN 323	Kg/m3 tolerance		850 +/- 7%	
scratch resistance	EN 14323	N		≥ 1,5	
micro scratch resistance	EN 16611	grade		5	
Charpy impact resistance	ISO 179-1/1eU	kJ/m ²		10	
hardness to sphere indentation	ISO 2039-1	MPa		235	
Light transmission	ISO 13468-2	%		92	
Taber D haze (500 cycles)	ASTM D 1003	% Haze		< 3	
mirror varnish adhesion to PMMA	ISO 2409			GT 0	
swelling after 24 hours	EN 317	%		12	
MDF taering resistance	EN 319	N/mm2 minimum		0.35	
flexion resistance	EN 310	N/mm2 minimum		20	
elasticity module	EN 310	N/mm2 minimum		2200	
Vicat temperature of softening (B 50)	EN ISO 306	°C		105	
service temperature for continuous use	-	°C		70	
maximum temperature for short period use	-	°C		90	
surface defects	EN 14323	mm2/m2 mm/m		≤ 2 ≤ 20	
thickness tolerance	EN 14323	mm		+/- 1,0	
size tolerance	EN 14323	mm		+/- 5	
flatness		mm/m		≤ 5	
damaged edges	EN 14323	mm		≤ 10	
horthogonality	EN 14323	mm/m		≤ 5	
formaldehyde emission				required	actual
	EN717-1	mg/m3	E05	< 0,062	0.007
	EN717-1	ppm	E05	< 0,050	0.006
	ASTM E1333-96	ppm	Carb 2	< 0,090	0.006