

INFORMATIVE TECHNICAL SHEET

BRILLIANT® HIGH GLOSS PANELS

MATERIAL: BRILLIANT® HIGH GLOSS PANELS

DATE: 04/2011

CONSTRUCTION: Coextruded ABS/PMMA sheets with high gloss, scratch resistant acrylic top layer.

EDITION: 2

Protection of high gloss surface provided by PE-masking foil.

DIMENSIONS: Thickness: 0.7mm to 1mm

APPLICATION: Vertical usage

MECHANICAL PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUES
Abrasion resistance	DIN 53754 (mod)	mg/50 U.	2
Scratch resistance (Improvement by polishing!)	DIN 68861/T4	N Rating group 4 E	0,6 à 0,9
Assessment of surface to mechanical damage (impact tests)	DIN 53799/T4.4.2	mm	8
Assessment to liquids	DIN 68861/T1	Rating group 1 B	
Assessment of surface resistance to dry heat	DIN 68861/T7	°C Rating group 7 D	75
Assessment of surface resistance to wet heat	DIN 68861/T8	°C Rating group 8 B	70
Assessment of surface resistance to water vapour	DIN 53799/T4.11	No visible changes	

OPTICAL PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUES
Top surface gloss	SENO Standard (60 ° Glossmaster)	GLE (gloss units)	> 85 GLE high gloss
Weatherability, UV-resistance Delta E furniture panels - indoor application	EN ISO 4892-2 Total colour difference after 200h Xenon-test		1,7

ADDITIONAL:

PROPERTY	TEST METHOD	UNIT	VALUES
Density	DIN 53479	g/cm ³	1,09 +/- 0,02
Burning Resistance	UL Standard 94		94 HB

SPECIAL ADVICES: The values given here refer to the flat unformed sheets. Because of the influence of the application technology and the core materials used, these values may differ slightly from the finished product.