

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

### OPTICAL PROPERTIES:

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

### ADDITIONAL:

PROPERTY	TEST METHOD	UNIT	VALUES
<b>Density</b>	DIN 53479	g/cm <sup>3</sup>	1,09 +/- 0,02
<b>Burning Resistance</b>	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.