

## Technical Data Sheet : OptiMatt PET Board

For Pearl Effect applications

- Environmentally friendly
- Super low glossy rate by micro-coating with the pattern of high uniformity & density
- Excellent light resistance and stain resistance

### Physical Properties

Properties	Standard	Test Method
Anti-scratch(Pencil Hardness)	F~2H	JIS K-5400(weight 750g)
Gloss(60°)	4.5±1 (OptiMatt)	ASTM D 523, D 2457
Adhesion	5B(100/100)	ASTM D 3002, D 3359
Colour Consistency	White/Normal Colour $\Delta E < 0.5$ Intensive Colour $\Delta E < 1.0$	ASTM E 1164

### Anti-Stain Properties

	Test Material	Test Method	Results	Comments
Contamination	Permanent black ink	After 24 hours	○	○ cleanable with water ● cleanable with alcohol ● some stains
	Water based black ink		○	
	Crayons		○	
	Red ink		○	
	Shoe polish black		○	
	Nail polish		○	
	Coffee		○	
	Hair dye		○	
Solvents	White gasoline	After 6 hours	○	○ no marking ● slight marking ● marking
	Ethanol		○	
	Toluene		○	
	Ethyl acetate		○	
	MEK		○	
Chemicals	10% HCl	After 6 hours	●	○ no marking ● slight marking ● marking
	10% NaOH		○	
	5% CH <sub>3</sub> COOH		●	
	1% Na <sub>2</sub> CO <sub>3</sub>		○	
	1% Ca(OH) <sub>2</sub>		●	

### Weatherability

Reliability Test	Measurement( $\Delta E$ )	Test Method
Xenon-Arc	< 1.5	400hrs
High Temp.	< 1.0	72hrs@70°C
High Temp. & High Humid.	< 1.0	72hrs@70°Cx95%