JY-PPF

- ✓ Surface Is So Smooth
- ✓ Has Good Durability In Top-Coating Performance
- ✓ Keeping Self-Healing Performance Longer

Properties		Value	Test Method
Physical Properties	Thickness (Substrate)	188±15 μm	Thickness gauge
	Thickness (Overall)	260±15 μm	Thickness gauge
	Elongation at Break	239%	ASTM D412
	Tensile Strength	9.0 kgf/inch	ASTM D412
Adhesion	Adhesion Force	699 gf/inch	JIS K 6854-2
	Type of PSA	Acrylic PSA	-
	Residual Adhesive	None	Put on painting plate then peel off with reverse direction after exposuring to 80C for 24hr, -4C for 24hr, 20C for 12hr in sequence
Optical Properties	Gloss	28.5%	Glossmeter (@60°)
	Surface Uniformity	No deformation (crater, pin-hall, fish-eye)	Put on orange peel test plate / Sensory Tester
	Transmittance	-	Put on black acrylic plate /Sensory Test
		-	Put on transparent acrylic plate /Sensory Test
Surface Properties	Anti Scratch (5pt)	3.0pt	Copper brushing @RT (20℃)
	Self-Healing @RT (1hr, 5pt)	4.0pt	Copper brushing @RT (20℃) Stand-alone under RT (20℃)
	Thermal Recovery (70℃, 5pt)	5.0pt	Copper brushing @RT (20℃) Exposure to hot water (80℃)
	Chemical Resistance	No damaged for 20seconds	Spraying carburetor cleaner Mixture of methanol, acetone, toluene and white spirit (#200)
		No damaged for 35seconds	DMF (Dimethylformamide)

	Hydrophobicity	R9~R10	JIS P-8137
	Anti-Fouling	Erasable	Permanent pen
	Stickiness @80C	Smooth not sticky	After aging under 80℃ for 1hr.
Durability	**For Self-Healing**	Recover to 90% @20C 35~45min. at 1st year 40~50min. at 3rd year	Measure Self-Healing performance with time on stream
	For Surface Enthalpy	No any drop	After immerse in 70C water-bath for 24hrs
	For Anti-Fouling	No any drop	After immerse in 70C water-bath for 24hrs
	Discoloring	ΔE < 1.0	QUV Tester (6500W) 2000hrs Measure Lab
	Guarantee Period	5years	for Yellowing, Crack, Residual Adhesive