

Ultimae Shield Matte Black

- ✓ Surface Is 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	310%	ASTM D412	
	Tensile Strength	9.36 kgf/inch	ASTM D412	
Adhesion	Adhesion Force	740 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 exposing to 80C for 24hr, -4C for 24hr, 20C for 12hr in sequence	
Optical Properties	Gloss	/	/	
	Surface Uniformity	No deformation (crater, pin-hole, 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)	4.0pt	Copper brushing @RT (20°C)	
	Self-Healing @RT (1hr, 5pt)	4.5pt	Copper brushing @RT (20°C) Stand-alone under RT (20°C)	
	Thermal Recovery (70°C, 5pt)	5.0pt	Copper brushing @RT (20°C) Exposure to hot water (80°C)	
	Chemical Resistance	No damaged for 20seconds		Spraying carburetor cleaner Mixture of methanol, acetone, toluene and white spirit (#200)
		No damaged for 35seconds		DMF (Dimethylformamide)