

Ultimae Shield Pro

- ✓ Good in Stretch
- ✓ High Gloss & Superior Clarity
- ✓ Keeping Self-Healing Performance Longer

Properties		Value	Test Method
Physical Properties	Thickness (Substrate)	180±15 μm	Thickness gauge
	Thickness (Overall)	300±15 μm	Thickness gauge
	Elongation at Break	300%	ASTM D412
	Tensile Strength	9.2 kgf/inch	ASTM D412
Adhesion	Adhesion Force	1028 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	103.8%	Glossmeter (@60°)
	Surface Uniformity	No deformation (crater, pin-hall, fish-eye)	Put on orange peel test plate / Sensory Tester
	Transmittance	Blackish	Put on black acrylic plate /Sensory Test
		Transparency	Put on transparent acrylic plate /Sensory Test
Surface Properties	Anti Scratch (5pt)	4 pt	Copper brushing @RT (20°C)
	Self-Healing @RT (1hr, 5pt)	4pt	Copper brushing @RT (20°C) Stand-alone under RT (20°C)
	Thermal Recover (70°C, 5pt)	5pt	Copper brushing @RT (20°C) Exposure to hot water (70°C)
	Chemical Resistance	No damaged for 500 seconds	DMF (Dimethylformamide)
		No damaged for 120 seconds	Carburetor cleaner (CARB CLEANER)
	Hydrophobicity	R9~R10	JIS P-8137