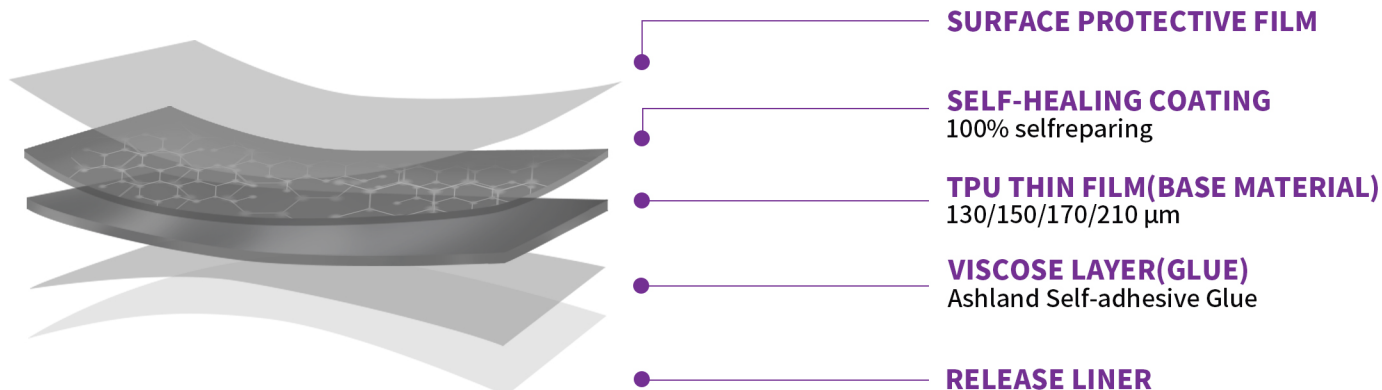


INFORMATION

Magiring M Series uses Covestro TPU (Aliphatic Polycaprolactone TPU) and Ashland Self-Adhesive, the use of Ashland glue without any damage to the paintwork and there is no residue left when removed after installation, the glue is characterised by a low initial viscosity and a high long-lasting viscosity that is reapplicable. can keep your paint in pristine condition, our film eliminates damage from road debris .invisible protection against scratches nicks and scrapes .your vehicle will look new on a regular basis because of the films self healing .the films hydrophobic properties make it less porous and easy to clean . for the M series ,we have four(130/150/170/210µm)thickness to choose from .

PRODUCT CONSTRUCTION



GENERAL CHARACTERISTICS

ESSENTIAL ATTRIBUTE	MEASURING METHOD	SPECIFICATION	UNIT	INSPECTION RESULT
Colour	Visual inspection	Colorless and transparent	/	Colorless and transparent
Thickness of the upper PET protective film	GB/T 6672-2001	50±2	µm	52
Thickness of the lower PET protective film		85±3	µm	87
Total thickness of finished film		165/185/210/245±2%	µm	167/189/208/245
Glossiness	GLOSS METER @60°	≥90	/	≥95
Fog degree	GB/T 2410-2008	≤0.8	/	≤0.8
Visible transmittance	GB/T258-2017-11.5.7	≥80	/	≥91
Uv blocking	LS182 DETECTOR	>90	/	>98
QUV Aging resistance	ASTM G154-16 LOOP 1	Δ E*ab<2	/	0.16
Thermal self-healing	Brass brush 10 times, 50-70°C hot water for 1 minute.	100% selfpreparing	/	100% selfpreparing
Acrylic layer peeling force/20min	GB/T 2792	>600	gf/inch	>1500
Acrylic layer peeling force/24h		>1000	gf/inch	>2300
Tearing strength	GB/T 529	≥40	KN/m	≥85
Elongation at break of coating	GB/T 1040.1	>80	%	>100
Tensile strength		>15	Mpa	>45
PPF Elongation at break		>200	%	>300
100% modulus		>6	Mpa	>9

NOTE: The total thickness of the finished film is the sum of TPU thickness, coating thickness and adhesive thickness. The aging test duration of QUA is 1000h.