



ESA PROTECTION® Kirin coating is a kind of polymer elasticity spraying material, it will become gel in 5 seconds after mixing and spraying. The surface will be dry in 10 seconds. With good adhesion, it is suitable for almost any material surface, no dripping, hanging. ESA Kirin coating can be cured instantly after high-pressure collision, forming a super-strong, highly elastic dense protective coating on the surface of the object, which has the excellent characteristics of bullet-proof and explosion-proof. ESA PROTECTION® Kirin coating has strong tension force, and has good abrasion resistance and scratch resistance. ESA PROTECTION® Kirin has good abrasion and scratch resistance. The high density stable structure makes it resistant to most solvents and acids and has excellent waterproofing properties.

ESA PROTECTION® KIRIN PAINT series products have excellent impact protection, abrasion and scratch resistance, tear resistance, and excellent environmental adaptability, maintaining performance in acid and alkali environments.

Performances	Method Reference*	ESA Cold Soft Foams
Density (g/cm ³)	ASTM D792	1.09
Hardness (Asker C)	ASTM D2240	94±5
Tensile Strength at Break (MPa)	ASTM D638	>32
Tensile Elongation at Break (%)	ASTM D638	>248
Type C Tear Strength (N/mm)	DIN ISO 34-1	>131
Abrasion Resistance GB/T 1768-2006 Determination of abrasion resistance of coloured paints (750g/500r) (mg)		1.9
Corrosion Resistance	Immersion in corrosive liquids for 2 years	No anomalies
Chemical Safety		Non-toxic and harmless, in line with national standards for food contact paints and coatings

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*Values shown represent typical product characteristics

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