
APPLICATION

Protecta-kote is a single component polyurethane that can easily be applied by roller, brush or spray to provide an attractive impact resistant coating. Unlike other coatings it is non abrasive and so does not damage goods or items placed on it.

CURING TIME

Depending on temperature and humidity **Protecta-kote** can normally be put into light use after approximately 8-14 hours. Full chemical resistance and physical strength are reached in 4-7 days.

COVERAGE

1.2-1.6m² per litre for normal applications
0.5 – 0.8m² per litre for high wear applications

STORAGE

Store indoors between 5 -25 °C out of direct sunlight. Excessive temperature may cause thickening.

SHELF & POT LIFE

Protecta-kote has a shelf life of 1 year from date of manufacture and is best used within 24 hours from first opening. Do not open tins until they are to be used.

SURFACE FINISH

Protecta-kote includes small rubber granules that give it a unique textured appearance, this will vary slightly depending on how it is applied. The finish is glossy, however as with all aromatic polyurethanes this will reduce over time.

COLOURS

Protecta-kote is available in standard aromatic versions in Black, Grey, Blue, Red and Green. It is also available in UV stable aliphatic versions in White, Safety Yellow and Mid-Grey. Other colours are available however minimum order quantities will apply.

SIZES

Protecta-kote is available in 1 & 4 litre standard tins, it is also available in black and grey in spray tins and special application kits that include rollers, brushes and scotchpads.

CO-EFFICIENT OF FRICTION (ASTM D1894) (g/g) 200g sled

	DRY		WET		OIL (SAE 30)	
	Static	Kinetic	Static	Kinetic	Static	Kinetic
Black	1.7	1.4	1.2	1.1	2.0	1.1
Grey	1.7	1.4	1.2	1.1	2.0	1.1

TENSILE STRENGTH (ASTM D638)

	Tensile strength at break (MPA)
7 day cured	11-15
After 500 hrs QUV (n=4)	11-15

ELONGATION (ASTM D638)

	ELONGATION (%)
7 day cured	330 – 400
After 500 hrs QUV (n=4)	330 – 400

UV RESISTANCE

500 hrs of QUV accelerated weathering resulted in no deterioration in physical properties and no surface cracking. There was a loss of gloss and 'yellowing' of coloured samples.

IMPACT RESISTANCE

Due to its excellent flexibility, **Protecta-kote** has the ability to stay bonded to substrates even when they are deformed by impact.

CHEMICAL RESISTANCE

Protecta-kote has good chemical resistance to most dilute acids, bases and salts and many solvents. Further details are available on request.

TEMPERATURE RESISTANCE

Protecta-kote recommended service temperature is from - 50° C to 120° C.

See MSDS for health & safety information – available on request or on-line.

See www.protectakote.co.uk for application instructions or available on request.