

# Protecta KOTE

POLYURETHANE PROTECTIVE COATING



**UNION COATING**

SALES • SERVICES • TECHNICAL SUPPORT

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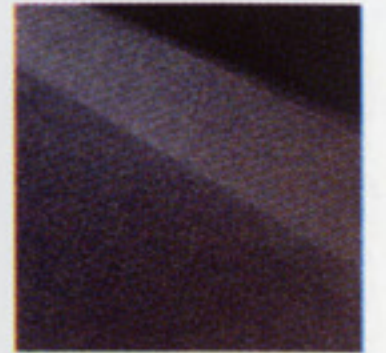
### READY-TO-USE, EASY TO APPLY

**PROTECTA-KOTE** comes ready-to-use and requires no blending of components or additives. Simply prepare the surface, apply the **PROTECTA-KOTE** using a roller or spray gun and allow to dry.

Available in a choice of colours, **PROTECTA-KOTE** is commonly available in black, grey, blue, red and green. Other colours can be made by special arrangement. **PROTECTA-KOTE** is ideally suited for do-it-yourself applications.

### FEATURES

- Tough, textured polyurethane protective coating
- Ready-to-use, easy to apply, and fast drying
- Tough non-slip finish
- Rubber granules makes it non-abrasive to goods
- Bonds to most surfaces
- Prevents rust and resists gasoline, acid, solvents and other chemicals
- High abrasion resistance
- Easy to repair and over-coat
- Heat resistant
- Totally flexible, will not chip, flake or peel
- Long lasting.



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**kote**  
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## WORLD-LEADING TECHNOLOGY

**PROTECTA-KOTE** is a unique, advanced formula polyurethane coating incorporating rubber granules. It was developed specifically for the automotive industry. In addition, the product has been extensively used in the marine and architectural environment. **PROTECTA-KOTE** can be easily applied to almost any surface leaving an attractive textured finish. **PROTECTA-KOTE** has been developed by Duram, a South African company specialising in single-pack polyurethanes. Founded in 1981, Duram has over 20 years' experience in polyurethane coating technology.



## SOPHISTICATED POLYURETHANE TECHNOLOGY

**PROTECTA-KOTE** chemically bonds to the surface leaving an extremely tough and resistant coating. **PROTECTA-KOTE** also offers protection against rust, gasoline, solvents and chemicals. The rubber granules give **PROTECTA-KOTE** an attractive textured slip-resistant surface. Being a single-pack polyurethane, it requires

no mixing or blending prior to application and can be applied to almost any surface including: metal, concrete, wood, fibreglass plastic and rubber. As a polyurethane, **PROTECTA-KOTE** is totally flexible. It will not flake or peel and will remain completely bonded to the surface providing long-lasting protection.

## LIMITLESS APPLICATIONS

### AUTOMOTIVE

Pick-up truck beds, buses, trailers, hydraulic tail-lifts, 4x4s, automotive undercoat

### MARINE

Boat decks and walkways

### ARCHITECTURAL

Steps, walkways, factory floors, terraces and decks

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## PRODUCT OVERVIEW

### APPLICATION

**PROTECTA-KOTE** is a one component polyurethane that can be easily applied by roller, brush or spray to provide an attractive non-slip coating.

Unlike other coatings it is non-abrasive and so does not damage goods.

### CURING TIME

Depending on temperature and humidity **PROTECTA-KOTE** can normally be put into service in approximately 12-24 hours. Final chemical resistance and physical properties are reached in 4-7 days.

### COVERAGE

1.2-1.5 m<sup>2</sup>/litre for normal applications.  
0.5m<sup>2</sup>/litre for high wear applications.

### COLOURS

Black, grey, blue, green and red. As with all aromatic polyurethanes, colours darken with U.V. exposure and gloss is lost with time. Light-stable versions are also available in light and dark colours.

### OVER COATING AND REPAIRS

**PROTECTA-KOTE** can easily be repaired or over coated after cleaning and sanding the surface.

### SURFACE FINISH

**PROTECTA-KOTE** has a glossy finish and can be applied to give a relatively smooth or rough finish.

### SHELF LIFE AND POT LIFE

**PROTECTA-KOTE** has a shelf life of 1 year from date of manufacture and is best used within 24 hrs from first opening.

### STORAGE

Store indoors between 15-25°C out of direct sunlight. Excessive temperature will cause thickening.



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## Technical data

### 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				

### 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 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.

### MSDS AVAILABLE UPON REQUEST.

