

POLYKOTE-WB

WATER BASED POLYURETHANE TOP COAT

DESCRIPTION:

POLYKOTE-WB is a complex blend based on urethane polymers which produces systems with outstanding abrasion, impact and chemical resistance coupled with high degree of flexibility and is micro-porous allowing the substrate to breathe, unlike solvent based systems. It is a polyurethane pre mixed hard wearing yet flexible surface coating designed for the long term protection of Industrial floors in factories, warehouses, car park decks, dairies, breweries, hygienic coatings for pharmaceuticals where long term maintenance-free protection is required. IT is produced to a silk sheen for maximizing light reflectivity whilst retaining easy to clean, non-slip characteristics and reduction of glare. Its adhesion to sub floor is not affected due to moisture, as it is breathable water based system unlike its counterpart solvent based systems and is available in different shades.

ADVANTAGES:

- ✓ Excellent flexibility, adhesion and durability.
- ✓ Excellent wear, abrasion and impact resistance.
- ✓ Outstanding water and alkali resistance.
- ✓ Excellent crack bridging properties.
- ✓ Suitable for use on bituminous, cementitious and resinous substrates alike.
- ✓ Resistant to a wide range of chemicals.
- ✓ Excellent resistance to carbon dioxide permeation.
- ✓ Hygienic, non-tainting and U.V. stable.
- ✓ Micro-porous, vapour permeable and breathable coatings.
- ✓ Non-toxic, Non-flammable, Solvent free and Ecofriendly.
- ✓ Waterproof and Seamless coatings.

AREAS OF APPLICATION:

- Industrial flooring
- Dairy and Hotel Industry.
- Car Park Decking.
- Warehouse Floors.
- Non-slip ramp ways.
- Bridge Decks.
- Pedestrian walkways.
- Residential Garages.
- Food Processing Plants.
- Helipads.
- Trafficable Roofs.

SPECIFICATIONS:

Base	Polyurethane
Colour	Available in Various Shades
Appearance	Semi-Viscous Liquid
System	Single Component
Finish	Smooth & Glossy
Drying Time:	
Surface Dry	8-10 Hours
Hard Dry	72-120 Hours
Recommended Coats	2
Coverage	65-70 sq.ft./litre/coat on smooth surface
Dry Film Thickness	80-100 microns/coat (Upto 300 microns in 2 coats on non-porous surface can be achieved with primer coat and screed)
Resistance to Heat	Upto 80° C.
Cold Resistance	Upto 5° C
Scratch Hardness	No failure 5.5 lbs load (BS3900)
Abrasion Resistance	120 mgm weight loss per 1000 cycles. (ASTM D4060)
Flash Point	Above 30° C.
Impact Resistance	No failure (2 lbs load dropped 18 ins) (BS 2782)
Elongation	200%
Scrub Resistance	Greater than 10,000 cycles (ASTM D2486)
Humidity Resistance	Unaffected 6000 hrs. exposure (BS 3900)
Water Absorption	Nil (CP.BM 2/67/2)

METHOD OF APPLICATION:

Clean the surface of all loose gravel, dirt, grease, oil and foreign matters with high pressure wash, for a good bond with the sub-floor. Prior to application, large blisters and surface breaks shall be slit and opened for the release of entrapped moisture then cemented properly wherever necessary.

Apply a primer coat using medium pile roller or similar with **PU-PRIMER** Followed with two coats of **POLYKOTE-WB**. It is extremely important to ensure that the previous coat is completely dry before application of next coat depending on the weather conditions. The coating should be applied evenly over the surface to ensure a regular film thickness. Curing time of approx. 72-120 hours depending on weather conditions is needed before allowing traffic or any further works.

CLEANING OF TOOLS :

Wash all containers, brushes, tools and hands with water.

SAFETY PRECUATIONS:

Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

PACKING:

Available 20 Litres.

WARRANTY CLAUSE: The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.