



PU 1 HARD GLAZE

Water based, Single-Part, Hard Wearing PU Coating

FEATURE:

1. It is a water based U.V. stable high performance aqueous Aliphatic polyurethane floor coating for various Industries.
2. 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.
3. 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.
4. It is produced to a silk sheen for maximizing light reflectivity whilst it is easy to clean, non slip characteristics and reduction of glare.
5. Optimum visibility of direction, line and parking bays and speed bump markings.
6. Adhesion to sub floor is not affected due to moisture, as it is a breathable water based system unlike its counterpart solvent based systems and is available in different shades.

USES:

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

KEY FEATURES:

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



WARRIOR PTE LTD

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METHOD OF APPLICATION:

Ensure surface are free of all loose gravel, dirt, grease, oil and foreign matters.

SURFACE PRIMING:

Cement Floor: It is best to prime cement surface with **E1 BW** Water Based Epoxy system, otherwise, coating peeling will occur.

Steel surface: Sand-blasting to above Sa2.5 degree, or polish to St3 class with electric tools.

PAINTING: Roll on with 2 coats of **PU 1** color coat.

Coverage: *4 m²/kg for 2 coats 0.3 mm thick.*

1. 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. A final Glossy or Matt Clear Top Coat can be applied with clear **PU1** coating as needed.
2. Curing time of approx. 72-120 hours depending on weather conditions is needed before allowing traffic or any further works.

CHEMICAL RESISTANCE :

PU 1 Hard floor coat will resist spillages of:

1. Mineral oils, kerosene, gasoline and brake fluids.
2. Most organic solvents and high octane aviation fuels.
3. Dilute acids like hydrochloric, nitric, phosphoric and Sulphuric.
4. Alkali solutions like sodium hydroxide, detergent etc.
5. Fats, oils and sugars.

PHYSICAL PROPERTIES:

1. Specific gravity : 1.25
2. Abrasion resistance (ASTM D4060) : 120 mg weight loss / 1000 cycles.
3. Impact resistance (BS 2782) : No failure (2 lbs. load dropped 18 ins)
4. Elongation (ASTM D412) : 200 %
5. Scrub resistance (ASTM D2486) : greater than 10,000 cycles
6. Scratch resistance (BS3900) : No failure 5.5 lbs. load
7. Humidity resistance (BS 3900) : Un-effected 6000 hrs. exposure
8. Water absorption (CP.BM 2/67/2) : Nil



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