

TECHNICAL DATA SHEET

FLOORMASTER PU

U.V. Resistant Polyurethane Coating

PRODUCT DESCRIPTION

FLOORMASTER PU is a two component polyurethane coating, high build, gloss finish having outstanding resistance to abrasion, splash and spillage of acids, solvents, alkalis, salts and other corrosive and staining chemicals.

FLOORMASTER PU has an excellent color retention and gloss on long term weather exposure.

CUSTOMER BENEFITS

- Durable, hard wearing surface with excellent abrasion resistance and adhesion to substrates.
- Excellent flexibility
- Excellent flow characteristics
- Easier to clean resulting in low maintenance costs
- Attractive as available in a range of colors to improve the working environment.

RECOMMENDED FOR:

Primarily as a high performance architectural and maintenance coating, tank finish, offshore and machine structures, sports equipment, chemical processing plants, warehouses, mining equipment, pulp and paper mills, railway cars, oil refinery, galvanized finish, aircraft, etc.

INSTRUCTIONS FOR USE

Application

Surfaces must be dry and free from oil, dust, grease and other contaminants. It should be primed with a compatible primer. It can be applied by brush, roller, conventional spray or by airless spray equipment.

Mixing

Mix together base and curing agent components in recommended quantities. Stir thoroughly the base component prior to the addition of the curing agent. Agitate to obtain a uniform homogenous mixture. The use of power mixer is recommended for larger quantities. Do not use mixed material beyond pot life.

Mixing Ratio

4 parts component A (Base) to 1 part component B (curing agent).

Caution: Mixed coating is moisture sensitive. Moisture contact may reduce pot life and affect gloss.

Pot Life

4 hours @ 25 °C and less at higher temperatures. Pot life ends when becomes too viscous to use.

Drying Time

To touch : 1 hr @ 32 °C
 To handle : 4 hrs @ 32 °C
 To recoat : 4 hrs @ 32 °C
 Final cure : 3 days

Note: Curing and drying retards @ lower temperature.

ESTIMATED COVERAGE RATE

@ 25 microns 24 m²/liter
 @ 50 microns 12 m²/liter
 @ 75 microns 8 m²/liter

Recommended dry film thickness:

75 – 125 microns (3 to 5 mils).

75 microns minimum required for hiding.

Note: Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements. Coverage will be lower over rough surfaces and at higher dry film thickness.

TYPICAL CHEMICAL RESISTANCE

Exposure	Splash and Spillage	Fumes
Acids	Very good	Excellent
Alkalis	Very good	Excellent
Solvents	Very good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

Flexibility : Excellent
 Weathering : Excellent
 Abrasion resistance : Excellent

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Brush:

Use natural bristle brush applying with full strokes. Avoid re-brushing. Two coats may be required for uniform hiding and film thickness.

Topcoat required:

Normally none. May be top coated by itself.

Recommended primer:

Maybe applied over most epoxies, zinc rich primers and others as recommended.

PACKAGING

FLOORMASTER PU is available in 1 gal set.

STORAGE

FLOORMASTER PU has a shelf life of one year if stored in a dry cool place unopened.

HEALTH AND SAFETY

FLOORMASTER PU contains flammable solvents. Keep away from heat and open flame. Keep containers well closely tight. Work areas must be adequately ventilated and avoid prolonged breathing of its vapors and wear gloves to avoid contact with skin.