

MasterTop[®] 1230

Seamless, Self-smoothing, Solvent Free Epoxy System for 2 – 3 mm thick

DESCRIPTION

MasterTop 1230 is a four component, self-smoothing, solvent free, epoxy overlay system, formulated to protect the floor from common chemicals and tire traffic, while maintaining an easily cleanable, hygienic surface when applied at thickness of 2.0 - 3 mm

MasterTop 1230 has good wear and abrasion resistance and is suitable for use in many industrial applications.

RECOMMENDED USES

MasterTop 1230 can be used as a surface coating where a easy to clean and high gloss appearance is required. It provides impermeable protection against common oils, greases, lubricants, aviation fuels or oils such as Skydrol. In addition, it offers good general chemical resistance

MasterTop 1230 may be applied in the following industries. This gives examples only and does not constitute a full and comprehensive list. For further information on application possibilities contact Local Master Builders Solutions Technical Department

- Pharmaceutical and other Laboratory situations.
- Industrial production facilities
- Light engineering workshops
- Aircraft hangars and maintenance areas.
- Warehouses
- Utility rooms and corridors
- Vehicle movement areas

FEATURES AND BENEFITS

- **Good Wear Resistance** – Durable and Smooth surface
- **Smooth High Gloss Finish** – Attractive easy to clean surface
- **Seamless Surface** – Easy to clean with minimal maintenance
- **Good Chemical Resistance** – Can be used in areas subjected to chemical attack

PROPERTIES

Mixed density (Kg / L)	1.65 @ 25°C
Pot life	Approx.30Min@ 25°C
	Approx. 15Min@ 40°C

PERFORMANCE DATA

Compressive strength (EN - 12390 - 3)	65 MPa at 7days
Flexural Strength	40 MPa at 7days
Abrasion resistance, (CS17 wheel)	<90mg loss
Shore D Hardness	> 75 @ 7 days
Adhesive bond strength, (ASTM D4541)	> 2Mpa (Concrete failure)
Full curing time	7 days at 25°C
Return to Service	
Foot Traffic	15 Hours at 25°C
Vehicular Traffic	48 Hours at 25°C
Service Temperature	-10°C to 60°C

SYSTEM BUILT UP & PACKAGING

The system built up of **MasterTop 1230** consists of two layers:

Primer

MasterTop 1140 - A two component, solvent free epoxy-based primer supplied as a 10L Kit as given below:

1. **MasterTop 1140** Part A - 7.5L Pail
2. **MasterTop 1140** Part B - 2.5L Pail

Topcoat

MasterTop BC 312 - A four component, solvent free epoxy-based roller applied High build coating consisting of **MasterTop BC 312 Resin** with **MasterTop 1230 Filler** and **MasterTop X1 Color**, supplied as a 16Kg Kit as given below:

1. **MasterTop BC 312** Part A - 5.4Kg Pail
2. **MasterTop BC 312** Part A - 3.0Kg Pail
3. **MasterTop 1230** Filler - 10.0Kg Bag
4. **MasterTop X1** Color - 0.6Kg Tin

ESTIMATION

MasterTop 1230 can be applied at dry film thickness of 1.5mm – 3.0 mm in one coat. As a guide following consumption can be considered for estimating purpose.

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Layer	Product	Consumption
Primer	MasterTop 1140	0.2-0.25 Kgs/ m ²
Topcoat	MasterTop BC 312 + MasterTop 1210 Filler + MasterTop X1	3.4 - 3.6 Kgs/ m ² for 2mm thickness

Above consumptions are provided as a guide only and quantities may vary depending on the porosity of the substrate, wastage etc., Necessary provision needs to be considered while estimating.

APPLICATION

For detailed application instructions please refer to the Method Statement.

SHELF LIFE

MasterTop 1230 has a shelf life of 12 months. Store the materials out of direct sunlight, clear of the ground on pallets protected from rainfall. Protect from freezing and discard if it has frozen.

HEALTH & SAFETY

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Safety Data Sheet (SDS) from our office or our website.

STATEMENT OF RESPONSIBILITY The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability, or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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