

MasterTop[®] 1324 AS

Polyurethane based anti-static low emission flooring system

DESCRIPTION

MasterTop 1324 AS is a conductive, solvent-free system utilising a polyurethane resin bodycoat. For use in rooms where sensitive electronic equipment is used as well as rooms where explosion hazards exists.

MasterTop 1324 AS is a build-up system consisting of:-

- **MasterTop P 617** - a high grade, low-viscosity, two component epoxy resin primer and substrate sealer.
- **MasterTop P 687WAS** - An electrically conductive, water based epoxy primer for use on **MasterTop P 617** primer in combination with **MasterTop BC 375NAS** to produce static conductive floor coating meeting the requirements of DIN 51953.
- **MasterTop BC 375NAS** - Is a solvent-free, pigmented two component coating based on polyurethane resins that produces hard-wearing anti-static, conductive industrial floors.

TYPICAL APPLICATIONS

As a conductive flooring system in electronic and explosion risk areas.

PACKAGING

MasterTop 1324 AS is supplied as follows:

MasterTop P 617	18kg
MasterTop P 687WAS	15kg
MasterTop BC 375NAS	30kg

TYPICAL PROPERTIES*

MasterTop 1324 AS conforms to the following Standards: -

- 104 – 106 Ohm (EN 1081)
- Below 109 Ohm (IEC 61340-5-1)
- ESD Approval in Sweden (SP & Ericsson)

APPLICATION GUIDELINES

SURFACE PREPARATION

Remove laitance, weak or friable concrete and all contaminants that could affect the bond to the substrate.

Suitable preparation includes light grit blasting, surface grinding etc. Surface defects should be repaired using **MasterTop 2200** or other suitable repair compound from the **MasterEmaco** range.

For full preparation details please refer to our latest Master Builders Solutions Method Statement.

PRIMING

Mix and apply **MasterTop P 617** primer to the prepared dust free surface at approximately 0.15-0.30 kg/m².

Allow to dry.

For the production of anti-static floor coatings, do not broadcast sand into the **MasterTop P 617**. Self-adhesive copper tape with a cross section of 0.09 mm x 19 mm (e.g. 3M Scotch) is firmly applied to the cured **MasterTop P 617** at distances of about 20 m. There should be an earthing point for every 100m² floor area. Floors of less than 100m² should have two earthing points.

Mix the two components of **MasterTop P 687WAS** primer together for at least 3 minutes using a slow running drill. Pour the mixed material into a clean container and re-mix. Application is by means of a lambswool roller to the surface prepared as above.

MasterTop® 1324 AS

Do not apply **MasterTop P 687WAS** at temperatures below +12°C and above +30°C. The substrate temperature must be at least 3°C above the dewpoint.

Ensure good ventilation during the application.

Overlay application:

Mark the floor are out in 10 or 20m² areas so that consumption can be checked.

Mix the PTA and PTB of **MasterTop BC 375NAS** together using a slow speed (300-400 rpm), drill fitted with a suitable mixing head. Mix until a uniform streak free colour is obtained. Pour the mixed material onto the floor and spread using a notched trowel to achieve the desired thickness. Roll with a spiked roller to release entrapped air and ensure a smooth surface. Allow to cure.

CHEMICAL RESISTANCE

Contact the Regional Master Builders Solutions Office.

COVERAGE

MasterTop P 617	0.15-0.30 kg/m ² porous substrates may require additional coats of MasterTop P617
MasterTop P 687WAS	0.08-0.10 kg/m ²
MasterTop BC 375NAS	2.5 kg/m ²

THICKNESS

Total 2mm

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

For further information, a material safety data sheet is available to the specialist applicator.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

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NOTE

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