

# MasterTop<sup>®</sup> 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:

<b>MasterTop P 617</b>	18kg
<b>MasterTop P 687WAS</b>	15kg
<b>MasterTop BC 375NAS</b>	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 BASF Method Statement.

### PRIMING

Mix and apply **MasterTop P 617** primer to the prepared dust free surface at approximately 0.15-0.30 kg/m<sup>2</sup>.

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 100m<sup>2</sup> floor area. Floors of less than 100m<sup>2</sup> 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.

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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 area out in 10 or 20m<sup>2</sup> 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 BASF Office.

### COVERAGE

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

### 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 BASF's 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 BASF's 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, ISO 14001 and ISO 45001.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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.

### NOTE

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