



The Chemical Company

# MASTERTOP<sup>®</sup> 1270 AS

## Description

A medium to heavy duty anti-static, self smoothing 1.5-2.0mm epoxy overlay system designed to provide a conductive flooring substrate that eliminates the potential build-up of static electricity.

## Primary uses

MASTERTOP 1270 AS can be used in any environment where the production process generates dust. Other fields of application include: computer rooms, hospital operating theatres and laboratories, processing plants in pharmaceutical industry and chemical industry, car industrial paint shops etc.

Undesirable electro-static build-up is controlled by using the conductive MASTERTOP 1270 AS system which is grounded.

## Features & Benefits

- Conductive floor coating
- Excellent mechanical strength and anti-static properties
- Abrasion resistance
- Good adhesion to non-porous substrates
- Easy to clean and maintain
- Easy to apply
- Extremely resistant to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels.

## Typical properties

MASTERTOP 1270 AS conforms to the following Standards:-

EN 1081                                      Rg < 10<sup>6</sup> Ohms  
IEC 61340-5-1 ECF:                      Rg 10<sup>4</sup> – 10<sup>6</sup> Ohms

## Packaging

MASTERTOP 1270 AS is supplied as follows:

|   |                |
|---|----------------|
| MASTERTOP P 617<br>(2 components)<br>Solvent-free epoxy primer                      | 25kg           |
| 3M Copper Tape<br>Grounding Strips  | 16.5m<br>rolls |
| MASTERTOP CP 687 W-AS<br>(2 components)<br>Water-based conductive primer            | 15kg           |
| MASTERTOP BC 370 AS<br>(2 components)<br>Solvent-free pigmented conductive bodycoat | 30kg           |

## Coverage

|                       |  |
|-----------------------|--|
| MASTERTOP P 617       | 0.15-0.3kg/m <sup>2</sup><br>depending on surface<br>texture and porosity. |
| 3M Copper Tape        | Consumption<br>dependent upon<br>configuration of room                     |
| MASTERTOP CP 687 W-AS | 0.08-0.10 kg/m <sup>2</sup>  |
| MASTERTOP BC 370 AS   | 2.0-2.5kg/m <sup>2</sup>   |

## Thickness

1.5-2.0mm

## Guide to application

### 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<sup>®</sup> Filler 2200 or other suitable repair compounds from the CONGRESIVE or EMACO range.

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**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 MASTERTOP CP 687 W-AS 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.

Do not apply MASTERTOP CP 687 W-AS 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 A and B components of MASTERTOP BC 370 AS 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.

**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.

**Safety precautions**

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

**Note**

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

**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 OHSAS 18001.

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