BASF
We create chemistry

MasterTop® 1273 AS

Medium load bearing, self-levelling, low emission (AgBB conformity), anti-static epoxy system with a smooth finish

DESCRIPTION

A medium to heavy duty anti-static, self-smoothing 1.5-1.8mm epoxy overlay system designed to provide a conductive flooring substrate that eliminates the potential build-up of static electricity.

PRIMARY USES

MasterTop 1273 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 1273 AS** system which is grounded.

For use on medium duty industrial flooring when a smooth and anti-static surface is required: for example electronic industry, clean rooms, pharmaceutical and space industry etc.

FEATURES AND 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 PROPETIES*

The flooring systems fulfils, as minimum requirements, the following properties and technical data determined by internal and external testing:

EN 13813	SR-B1, 5-AR1-IR40Bfl
Compressive strength	min. 65N/mm²
Slip resistance	R9
Taber abrasion (1000R)	50mg
Fire behaviour according to DIN EN 13501-1	Bfl-s1
Emissions behaviour	AgBB conform AFSSET conform A+ Classification

MasterTop 1273 AS conforms to the following Standards:-

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

PACKAGING

MasterTop 1273 AS is supplied as follows:

MasterTop P 650 (2 components) Solvent-free epoxy primer	15kg
Copper Tape Grounding Strips	Rolls
MasterTop P 687WAS (2 components) Conductive water-based, non-solvented, low viscosity, black pigmented primer based on a liquid epoxy resin	15kg
MasterTop BC 372AS (2 components) Non-solvented pigmented conductive bodycoat	29.9kg

MASTER® BUILDERS SOLUTIONS

BASF
We create chemistry

MasterTop® 1273 AS

COVERAGE

MasterTop P 650	0.15-0.3kg/m² depending on surface texture and porosity
Copper Tape	Consumption dependent upon configuration of room
MasterTop P 687WAS	0.08-0.10 kg/m²
MasterTop BC 372AS	2.3-2.6kg/m²

THICKNESS

1.5-1.8mm

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 2200** or other suitable repair compounds from the **MasterBrace** or **MasterEmaco** range.

PRIMING

Mix and apply **MasterTop P 650** 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 650**.

Self-adhesive copper tape with a cross section of 0.09mm x 19mm (e.g. 3M Scotch) is firmly applied to the cured **MasterTop P 650** at distances of about 20m. There should be an earthing point for every 100m² floor area. Floors of less than 100m² should have two earthing points.

Mix the A and B 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.

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 20m² areas so that consumption can be checked.

Mix the A and B components of **MasterTop BC 372AS** 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.

MASTER® BUILDERS SOLUTIONS

We create chemistry

MasterTop® 1273 AS

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 ISO 45001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries.

BASF_CC-UAE/Mtop_1273AS_11_15/v2/04_17

BASF Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800, Fax: +971 4 8851002
www.master-builders-solutions.basf.ae

CERTIFIED ISO 9001 · ISO 14001 ISO 45001 — UKAS MANAGEMENT SYSTEMS 001

MASTER® BUILDERS SOLUTIONS