

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.

TYPICAL APPLICATIONS

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.

ADVANTAGES

- 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.

PACKAGING

MasterTop 1273 AS is supplied as follows:

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

TYPICAL PROPERTIES*

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. 65 N/mm²
Slip resistance	R9
Taber abrasion (1000R)	50 mg
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 < 10⁶ Ohms IEC 61340-5-1 ECF: Rg 10⁴ – 10⁶ Ohms





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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 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 PTA and PTB 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 20 m² areas so that consumption can be checked.

Mix the PTA and PTB 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 Master Builders Solutions Office.

COVERAGE / YIELD

MasterTop P 650	0.15-0.3kg/m ²	
	depending on	
	surface texture and	
	porosity	
Copper Tape	Consumption	
	dependent upon	
	configuration of room	
MasterTop P 687WAS	0.08-0.10 kg/m ²	
MasterTop BC 372AS	2.3-2.6kg/m ²	

THICKNESS

1.5-1.8mm

STORAGE

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



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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.

® = Registered trademark of the MBCC Group in many countries.

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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.

NOTE

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^{*} Properties listed are based on laboratory controlled tests.