



The Chemical Company

# MASTERTOP® 1123

## Description

MASTERTOP 1123 is a static conductive system utilising an epoxy top coat. A hard solvent-free two component, self-smoothing epoxy based compound that produces hard-wearing floor surfaces.

- **MASTERTOP PRIMER 2** - is a high grade, low-viscosity, two component epoxy resin coating for mineral surfaces. MASTERTOP PRIMER 2 is used as a sealer or a filler with and without the addition of quartz sand.
- **MASTERTOP PRIMER 6** - Is an electrically conductive, water based epoxy primer for use on MASTERTOP PRIMER 2 in combination with MASTERTOP BODY COAT 38 AS to produce static conductive floor coating meeting the requirements of DIN 51953 for use in rooms where sensitive electronic equipment is used as well as rooms where explosion hazards exists.
- **MASTERTOP BODY COAT 38 AS** - Is a solvent-free, pigmented two component coating based on epoxy resins that produces hard-wearing static conductive industrial floors.

## Primary uses

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

## Packaging

MASTERTOP 1123 is supplied as follows:

MASTERTOP PRIMER 2	-	12.4kg
MASTERTOP PRIMER 6	-	15kg
MASTERTOP BODY COAT 38 AS	-	30kg

## Coverage

MASTERTOP PRIMER 2	0.15-0.3kg/m <sup>2</sup> depending on surface texture and porosity.
MASTERTOP PRIMER 6	0.2-0.3kg/m <sup>2</sup>
MASTERTOP BODY COAT 38 AS	2.0-2.5kg/m <sup>2</sup>

## Thickness

1.8-2.1mm

## Typical properties\*

### MASTERTOP PRIMER 2 - Typical properties

Cured at 7 days @20°C		
Pot Life:	25°C	20 mins
Density:		1.09
Bonding strength	Greater than cohesive strength of typical good quality concrete substrate	
Application time	approx. 20 mins. at approx. 25°C	
Application temperature	10°C to 40°C substrate temp	
Recoat after	approx. 6 hours at 30°C	
	approx. 12 hours at 20°C	
	approx. 24 hours at 10°C	

### MASTERTOP PRIMER 6 - Typical properties

Mixing ratio A : B	40 : 60 by weight
Density at 20°C, mixture	1.07gm/cm <sup>3</sup>
Solids content	35 ± 2%
Pot life	2 hours at 23°C / 50% RH
Curing at 23°C and 50% RH	can be walked on after 6 hours
Overcoating time	min. 8 hours, max. 24 hours

### MASTERTOP BODY COAT 38 AS – Typical properties

Mixing ratio A: B	100 : 16.6 by weight
Mixed density at 20°C	approx. 1.5 gm/cm <sup>3</sup>
Pot life at 20°C	approx. 45 mins.
Curing time at 20°C	Foot traffic, approx. 18 hours. To bear mechanical loads, approx. 2 days. To resist chemicals, approx. 7 days
Compressive strength	approx. 55N/mm <sup>2</sup>

## Guide to application

### Preparation:

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



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Suitable preparation includes light grit blasting, surface grinding etc. Surface defects should be repaired using CONGRESIVE 2200 or other suitable repair compounds from the CONGRESIVE or EMACO range.

## Priming:

Mix and apply MASTERTOP PRIMER 2 surface conditioner to the prepared dust free surface at approximately 0.15-0.3kg/m<sup>2</sup>.

Allow to dry.

For the production of anti-static floor coatings, do not broadcast sand into the MASTERTOP PRIMER 2.

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 PRIMER 2 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 PRIMER 6 components at the prescribed mixing ratio 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 PRIMER 6 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 BODY COAT 38 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.

## Note:

Before going ahead with the application of MASTERTOP BODY COAT 38 AS read the method statement and consult your local BASF representative.

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**As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.**

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Certificate No.  
963680



Certificate No.  
945787



Certificate No.  
772556

## 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 9000, ISO 14001 and OHSAS 18001.

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\* Properties listed are only for guidance and are not a guarantee of performance.