

# MasterTop BC 372 ESD

ESD epoxy self-leveling product specific for industrial floors of the MasterTop series 1200 line of EPA (Electro Static Discharge Protected Area) areas.

## MATERIAL DESCRIPTION

MasterTop BC 372 ESD is an ESD (Electro Static Discharge) CEI EN 61340\_5\_1 self-levelling epoxy resin, basic component of the MasterTop 1273 ESD system.

## FIELDS OF APPLICATION

MasterTop BC 372 ESD, as a basic component of the MasterTop 1273 ESD system, finds applications in many industrial sectors in the EPA (Electro Static Discharge Protected Area) areas where it is necessary to protect electronic devices from electrostatic phenomena in accordance with the provisions of CEI EN 61340- 5-1 (Protection of electronic devices from electrostatic phenomena: General requirements):

- computer laboratories;
- electronics industry;
- operating rooms;
- pharmaceutical industry.

## FEATURES AND BENEFITS

MasterTop BC 372 ESD, as a basic component of the MasterTop 1273 ESD system, has the following characteristics:

- meets the requirements of CEI EN 61340-5-1 (Protection of electronic devices from electrostatic phenomena - General requirements) and the relative acceptance limits:
  - resistance to earth  $<109 \Omega$  according to CEI EN 61340-4-1 "Test methods standardized for specific applications - Electrical resistance of floor coverings and floors installed";
  - Floor-Footwear system electrical resistance  $<109\Omega$  according to CEI EN 61340-4-5);
  - voltage generated by the human body (walking test:  $<\pm 100 \text{ V}$ , CEI EN 61340-4-5);
- AgBB certified for low emissions in indoor work environments;
- adheres monolithically to the substrate;
- it is not solvent-based;
- it is easy to clean and sanitize;
- resists to a multitude of aggressive chemicals;
- fire reaction class Bfl-S1 UNI EN 13501-1;
- has high mechanical strengths.

For the technical characteristics, refer to the performance of the MasterTop 1273 ESD system.

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 13813 and the relative DoP (Declaration of Performance).

## THEORETICAL COVERAGE

Please refer to the MasterTop 1273 ESD system data sheet

## PACKAGING

(A + B) = 31,1 kg (A 25,5 kg, B: 5,6 kg).

## STORAGE

Store the material in the original containers, in a dry and covered place at a temperature between 15 and 25°C. Do not expose to direct sunlight.

Technical information	
Density	1,54 ± 0,1 kg/liter
Pot life	30 minutes at 23°C
Mixing ratio	82A / 18B
Max relative humidity	75%
Recoating time at 20°C	15-48 hours at 23°C
Complete hardening/final set	5 days at 20°C
viscosity	ca. 2200 mPa·s

## APPLICATION SHEET

For every application detail (preparation of the substrate, primer and other parameters) refer to the technical data sheet of the specific MasterTop 1273 ESD system and to the application manual "MasterTop Industrial Floors Application Manual".

## TEMPERATURE

The MasterTop 1273 ESD system must be applied when the ambient temperature (minimum 8°C and maximum 30°C) remains constant or is decreasing, since this device reduces the risk of "blowing" linked to the escape of the air present. in the porosity of the concrete. In addition, this temperature must always be 3°C above the dew point from the time of application and for at least the next 24 hours (at 15°C).

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## MIXING

Mix the two components separately with an electric mixer then pour all of component B into the can of component A and mix until a homogeneous system is obtained. After obtaining a homogeneous consistency, pour the resin into a new container and mix for another minute.

## APPLICATION

After mixing, apply MasterTop BC 372 ESD on the substrate by distributing it with a toothed squeegee (V-tooth or spatula). To facilitate the escape of air bubbles that may be incorporated into the product, it is necessary to pass the surface of the material with an appropriate bubble-breaking roller 5 - 10 minutes after applying the product.

Protect from contact with humidity for the first 24 hours (at 20°C).

## CLEANING

Tools used for mixing and applying the material can be cleaned with epoxy thinner.

## WARNINGS

MasterTop products are for professional use. For further information, consult the Master Builders Solutions Italia Spa area technician.

## SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

## OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website [www.master-builders-solutions.com/it-it](http://www.master-builders-solutions.com/it-it) or contact [infomac@mbcc-group.com](mailto:infomac@mbcc-group.com).

Scan the QR code to visit the product page and download the latest version of this datasheet.



Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

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This version supersedes all the previous ones.