

# MasterTop<sup>®</sup> DTZ

## Highly decorative seamless epoxy terrazzo floor system

### DESCRIPTION

**MasterTop DTZ** is a seamless decorative flooring system combining durable pigmented epoxy resin with synthetic and natural aggregates including marble, coloured and clear glass, Mother of Pearl and acrylic chips, to produce a durable yet highly decorative flooring system. Divider strips of aluminium, zinc or brass can be used to separate different coloured finishes and to form part of the finished floor.

The **MasterTop DTZ** system is pre-blended and trowel laid, then ground and polished to reveal the natural beauty of the aggregate surrounded by the gloss (or matt) pigmented background.

**MasterTop DTZ** has been tested in accordance with NTMA guidelines.

### TYPICAL APPLICATIONS

- Hospitals
- Restaurants
- Cafes
- Nightclubs
- Showrooms
- Government Buildings
- Public Buildings
- Shopping Centres
- Airport Terminals
- Hotel Receptions

### ADVANTAGES

- Seamless finish
- Easily cleaned
- Highly decorative
- Enhanced anti-slip properties
- Light-weight, little or no structural weight loading implications
- Solvent-free low odour
- Chemically resistant to spillage most household liquids
- High abrasion and wear resistance
- High strength
- Low maintenance

### PACKAGING

**MasterTop DTZ** is supplied as follows:

<b>Primer:</b> <b>MasterTop P 651</b> (for more dense, less porous substrates, use <b>MasterTop P 650</b> primer) or <b>MasterTop P 650</b>	25.4 kg    5 kg
<b>Crack suppressant membrane</b> <b>MasterTop M 332</b>	4.5 kg
<b>Crack suppressant mat</b> <b>MasterTop RM 10</b>	1 m x 50 m roll
<b>Floor screed:</b> <b>MasterTop BC 304F PTA</b> <b>MasterTop BC 304F PTB</b> <b>MasterTop BC 304F PTC</b>	9.645 kg 1.305 kg 20 kg
<b>Grout sealer</b> <b>MasterTop BC 306 PTA</b> <b>MasterTop BC 306 PTB</b> <b>MasterTop BC 306 PTC</b>	3.5 kg 1.305 kg 4 kg
<b>Surface sealer</b> <b>MasterTop TC 424 (Matt)</b> <b>MasterTop TC 425 (Glossy)</b>	5 L 5 L
<b>Divider strip (min 10 mm depth)</b>	Piece

### APPLICATION GUIDELINES

For full details read the current version of the method statement, if in doubt contact the Master Builders Solutions Technical Department.

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## SURFACE PREPARATION

**MasterTop DTZ** must only be applied by the Manufacturers approved Applicator. The following is only a summary of the installation procedures.

**MasterTop DTZ** must be applied to a clean, sound substrate free of contaminants. The substrate should be sufficiently level, to allow for fixing of temporary or permanent formwork. Any surface imperfections must be repaired.

Mechanical means of preparation is recommended followed by the removal of dust and other loose debris using an industrial vacuum.

**Note: Refer to the Method Statement for Thin Section Epoxy Repairs if required.**

When applying **MasterTop DTZ**, the substrate must contain no more than 5% moisture and have an effective damp-proof membrane. All expansion joints must be reflected through **MasterTop DTZ** system. Generally, any design detail is drawn onto the prepared substrate; and then aluminium, zinc alloy or brass divider strips mechanically fixed into place.

## PLACING / APPLICATION

The following processes should all be carried out in strict accordance with the Master Builders Solutions latest Method Statement.

1. Porous substrate shall be primed.
2. Install the crack suppressant membrane which incorporates **MasterTop M 332** and **MasterTop RM 10**.
3. Install divider strips as per the required design.
4. Mix and apply **MasterTop BC 304F** mixture, finishing by trowelling to level (approximately) with the top of the divider strips.
5. Carry out rough grinding.
6. Grout surface of **MasterTop BC 304F** with **MasterTop BC 306** pore filler.
7. Carry out final grinding and polishing.
8. Apply sealer coat **MasterTop TC 425** (Glossy) or **MasterTop TC 424** (Matt).

## Precautions

Prior to application of the **MasterTop DTZ** system, the substrate must be thoroughly surveyed to ensure that it is sound (above 25 N/mm<sup>2</sup> compressive strength and with a pull-off value of >1.5 N/mm<sup>2</sup>), dry and of acceptable level and finish to accept a 10 mm high quality resin finish. A structural DPM must have been installed and the Engineer should have made allowance for any structural movement by installing the correct movement joints. (To be continued through the **MasterTop DTZ**).

The **MasterTop DTZ** should not be applied onto any floor substrate when air moisture exceeds 75% RH or the concrete slab shows >5% moisture content when tested with a Trammex or similar surface applied moisture meter.

The architect should address all joint details prior to the job start with the flooring contractor.

## Finishes

Tailor-made finishes can be created containing a unique combination of natural aggregate with a bespoke coloured resin background. For further details, please consult with your Master Builders Solutions representative.

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## HEALTH AND SAFETY

As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product has fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use.

## QUALITY AND CARE

All products originating from Master Builders Solutions Construction Chemicals 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.

## INDOOR AIR QUALITY CERTIFICATION



MBS\_CC-UAE/MTop\_DTZ\_07\_04/v5/01\_16/v6/09\_18/v7/09\_19/v8/11\_20/v9/03\_22

### 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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