

# MasterTop<sup>®</sup> CTZ

Highly decorative seamless cement-based terrazzo floor system

## DESCRIPTION

**MasterTop CTZ** is a seamless decorative flooring system combining durable pigmented cement binder with synthetic and natural aggregates as per NTMA requirements including marble, 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 CTZ** system components are available as separate and pre-blended components and trowel laid, then ground and polished to reveal the natural beauty of the aggregate surrounded by the pigmented cementitious background.

## TYPICAL APPLICATIONS

**MasterTop CTZ** flooring system is suitable for but not limited to the following application areas:

- Hospitals
- Restaurants
- Cafes
- Night clubs
- Showrooms
- Government buildings
- Public buildings
- Shopping centres
- Airport terminals
- Hotel receptions

## ADVANTAGES

- Durable
- Decorative
- Excellent compressive & flexural strengths
- High design potential
- Low Shrinkage
- Highly versatile
- Repairable
- Low maintenance
- Easy to clean
- Seamless finish
- Highly decorative
- Low life cycle cost
- Sustainable

## PACKAGING

**MasterTop CTZ** is supplied as follows:

Primer: <b>MasterTop P 651</b> or <b>MasterTop P 650</b> (For more dense, less porous substrates)	25.4kg 5kg
Crack suppressant membrane: Liquid: <b>MasterTop M 332</b> Mat: <b>MasterTop RM 10</b> Aggregate: <b>MasterTop SR 5</b>	4.5kg 1m x 50m roll 25kg
Terrazzo body coat: Pigmented binder: <b>MasterTop 585</b> Matrix aggregate: <b>MasterTop F 585</b>	20kg 23kg
Densifier: <b>MasterTop 20</b>	210L
Pore filler/grout <b>MasterTop 585</b> (diluted with water)	20kg
Topcoats/sealers: Option 1: Polyurethane based <b>Ucrete TCPU Clear (Gloss)</b> Option 2: Acrylic based <b>MasterTop TC 423 (Semi-gloss)</b>	6kg 20L
Divider strip (min 10mm depth)	1.828m

## APPLICATION GUIDELINES

### SURFACE PREPARATION

**MasterTop CTZ** must only be applied by the manufacturer's approved applicator. The following is only a summary of the installation procedures. Please refer to the **MasterTop CTZ** Method Statement for more detail.

**MasterTop CTZ** 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.

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

Note: Movement joint placement as per the engineer's recommendations do not exceed the panel size outlined in the BS 5385.

## PLACING / APPLICATION

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

1. Install divider strips as per the required design.
2. Substrate shall be primed with **MasterTop P 650** or **MasterTop P 651**.
3. Install the crack suppressant membrane which incorporates **MasterTop M 332** and **MasterTop RM 10**.
4. Broadcast onto freshly applied membrane **MasterTop SR 5** aggregate.
5. Mix **MasterTop 585** and **MasterTop F 585** and apply the mixture, finishing by trowel to level 2mm above the top of the divider strips.
6. Start the grinding process after a minimum of 24 hours.
7. Grout the surface with the pore filler **MasterTop 585** mixed with water and allow to dry.
8. Continue with the grinding process.
9. Apply **MasterTop 20** densifier.
10. Carry out final grinding and polishing.
11. Apply sealer coat **Ucrete TCPU Clear** or **MasterTop TC 423** (other sealer coats available depending on floor requirement).

For more information, contact Master Builders Solutions Technical Services.

## FINISHES

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

## PRECAUTIONS

The substrates should be fully cured prior to the application of **MasterTop CTZ**. An effective moisture vapour barrier is required for substrates on or below grade. The substrate must be structurally sound, dry and free of any foreign matter that will inhibit adhesion.

The Engineer should address joint details prior to the start of the job with the flooring contractor.

## 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 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.

\* Properties listed are based on laboratory controlled tests.

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MBS\_CC-UAE/Top\_CTZ\_02\_20

### 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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