

# MasterTop® DTZ

## Decorative terrazzo flooring system

### DESCRIPTION OF PRODUCT

**MasterTop DTZ** is a seamless, decorative terrazzo flooring system combining pigmented epoxy resin, with graded crushed marble, recycled crushed glass or glass aggregate in cast furnace colours or to offer a highly aesthetic finish.

### FEATURES AND BENEFITS

- Wide range of colors
- Easily applied
- Seamless
- Durable
- Decorative
- Excellent compressive and flexural strength
- Impressive design capabilities (i.e. incorporate company logo, motifs, etc.)
- No shrinkage
- Highly versatile
- Repairable
- Low maintenance
- Easy to clean
- High water resistance

### TYPICAL USES

- Hospitals
- Restaurants
- Cafes
- Nightclubs
- Car showrooms
- Government buildings
- Public buildings
- Shopping centres
- Airport terminals
- Railway stations/platforms
- Hotel receptions

### PRECAUTIONS

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

This product should be installed at a substrate temperature between 10°C (50°F) and 30°C

(85°F). The architect and owner should address joint details prior to the job start with the flooring contractor.

### TYPICAL PROPERTIES

Specific Gravity	2.2g/m <sup>2</sup>
Compressive strength	65N/mm <sup>2</sup>
Flexural Strength	20N/mm <sup>2</sup>
Tensile	10N/mm <sup>2</sup>
Water resistance	Excellent
Bond Strength	Excellent cohesion
Thickness	<ul style="list-style-type: none"> <li>• 10mm will result in 8mm after grinding</li> <li>• 6mm will result in 4mm after grinding</li> </ul>
Abrasion resistance	Taber: 0.03 g loss per 1000 cycle 1kg load CS10

Water absorption:

RILEM recommendations 11.4

Time in minutes	Absorption in ml. for Cement Terazzo	Absorption in ml. for Mastertop DTZ
2	35	Less than 0.1ml.
10	50	Less than 0.1ml.
15	70	Less than 0.1ml.
30	100	Less than 0.1ml.
60	131	Less than 0.1ml.

### CHEMICAL RESISTANCE

**MasterTop DTZ** has been tested for resistance to the following chemicals through spillage, dripping and splashes, provided that regular cleaning/housekeeping must be applied whenever possible:

# MasterTop® DTZ

Mild Acids	
Citric acid	10%
Acetic acid	10%
Lactic acid	5%
Hydrochloric acid	10%
Alkalis	
Sodium Hydroxide	75%
Ammonia	10%
Solvents	
Hydraulic fluid	Good
Diesel	Good
Kerosene and jet fuel	Good

## YIELD

**MasterTop DTZ** 30kg. unit will yield 13.6ltr

## APPLICATION PROCEDURE

### PREPARATION OF SUBSTRATE

**MasterTop DTZ** must be applied by an experienced, approved applicator. The following is only a summary of the installation procedures.

**MasterTop DTZ** must be applied to a clean, firm substrate free of contaminants that should be sufficiently level to allow for fixing of guide rails; any surface imperfections must be repaired.

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

When applying **MasterTop DTZ**, the substrate must contain no more than 4% 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 aluminum or brass guide rails fixed into place, utilising a silicon or polyurethane sealant.

## APPLICATION

There are 3 main processes in placing and finishing **MasterTop DTZ**

### 1- Mixing & Laying

Pour the Reactor Component in the Base one and mix using a slow speed drill with paddle, mix until a smooth, streak free consistency is achieved. Add the filler component to this mix, and continue mixing until homogeneous consistency is achieved.

**MasterTop DTZ** is then carefully laid wet on wet over **MasterTop 1200** primer according to desired patterns and in line with guide rails fixed

### 2- Grinding

Various stages of grinding the surface are carried out gradually reducing the coarseness of the grinding stones. Grinding normally takes place between 2 and 7 days of laying the **MasterTop DTZ**.

### 3- Grouting

At various stages during grinding **MasterTop DTZ GROUT** is applied to fill out voids. Detailed instructions on grinding equipments and procedures are available and can be requested from your Master Builders Solutions representative.

## PACKAGING

**MasterTop DTZ** is available in 30kg. pack.

**MasterTop DTZ GROUT** is available in 5 kg. pack.

## 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 and disposal advice, consult Master Builders Solutions's Technical Services Department.

# MasterTop® DTZ

## SHELF LIFE

Up to 12 months if stored in unopened containers according to manufacturer's instructions.

## SAFETY PRECAUTIONS

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. Re-seal containers after use.

## NOTE

Field service, where provided, does not constitute Supervisory responsibility. For additional information, contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY STATEMENT

All products manufactured by Master Builders Solutions Egypt, or Imported from Master Builders Solutions affiliate companies worldwide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.

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