



MasterTop CTZ

Seamless Cement-Based Terrazzo System

The right solution for a beautiful floor



Master Builders Solutions

Master Builders Solutions

The Master Builders Solutions brand brings all of expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We at Master Builders Solutions leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make more successful and drive sustainable construction.

Market leading products are developed from technically advanced formulations, optimized for the harsh environmental conditions found in the Middle East.

Our Comprehensive Portfolio

- Concrete admixtures
- Cement additives
- Chemical solutions for underground construction
- Waterproofing solutions
- Sealants
- Tile fixing systems
- Concrete repair and protection solutions
- Performance grouts
- Performance flooring solutions
- Wall systems
- Fire protection systems

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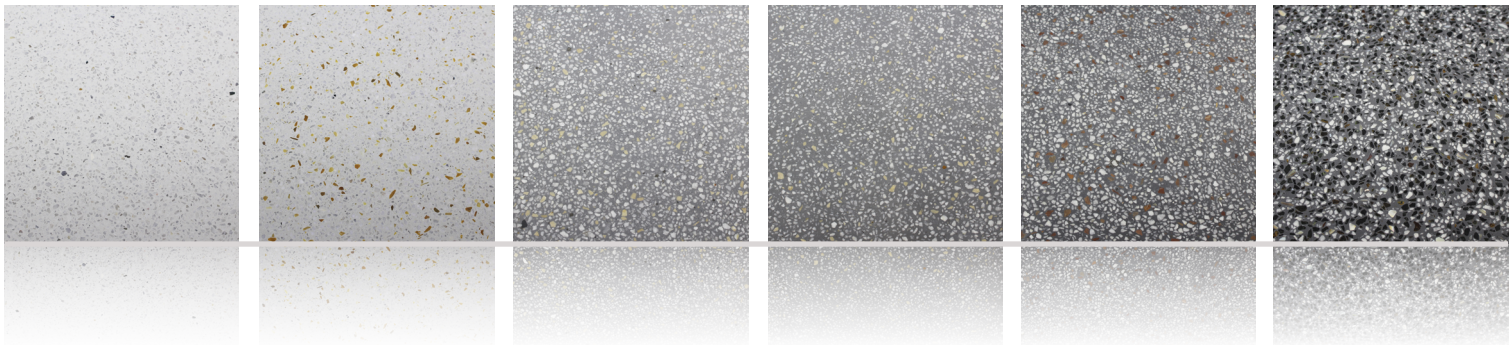
Terrazzo flooring and MasterTop CTZ

Terrazzo flooring history can be traced back to the 18th century when it was widely used in Venice, Italy. Terrazzo has been highly popular in the 20th century in the time of *Art Deco* and *Moderne* styles. And nowadays it can be found in many places such as hotels, airports, subways, restaurants, museums and other areas.

What makes this floor suitable for so many different types of areas? The key features of terrazzo flooring are durability and a low maintenance cost. It makes the floor ideal for areas subject to high traffic. Many designers and architects favour terrazzo because of its highly decorative outlook. Different mixes of aggregates make it look unique every time. The sealed, non-porous finish prevents microbial growth and makes this floor suitable for areas where hygiene is critical.

MasterTop CTZ is a cementitious terrazzo flooring in the Master Builders Solutions portfolio. It is a combination of the pigmented cement-based binder with synthetic and natural aggregates, including marble, Mother of Pearl, and acrylic chips. After grinding, the aggregates appear on the surface, presenting a seamless, highly decorative and durable floor.

Different binder colours and a variety of aggregate matrixes allow a flooring choice that will perfectly fit your design and taste. MasterTop CTZ is ideal for public spaces in place of natural stones or synthetic materials. It may be used in combination with other floor finishes. If you are looking for a highly decorative, robust, low maintenance, seamless floor finish, MasterTop CTZ is the right choice.





Key performances that make MasterTop CTZ stand out

Decorative outlook and high design potential

MasterTop CTZ is a highly decorative flooring system. A variety of natural and synthetic aggregates combined with a pigmented binder in different colours offers a significant scope for creativity. It can be applied on floors and as pre-cast panels on walls. It is compatible with other types of flooring and can have a glossy or matt finish. All these together provide even more freedom to designers' imagination.

Durability

MasterTop CTZ forms a robust, abrasion-resistant surface with long service life. It is designed to last the life of a structure. MasterTop CTZ withstands continuous high foot and rolling traffic. After years of application, the floor will look as attractive as the day it was installed.

Economical

The assessment of the cost of a flooring system should consider an initial investment together with maintenance expenses, repairs, and service life. Thanks to its homogeneous surface MasterTop CTZ is easy to clean, and this helps to reduce maintenance costs. This feature, combined with long service life, makes it economical.

Bacteriostatic

Once sealed, MasterTop CTZ is resistant to bacterial growth & chemical staining. This floor is virtually seamless, and it doesn't have grout joints that may harbour dirt and bacteria, resulting in a cleaner and safer environment. It makes MasterTop CTZ suitable for healthcare, education and any other areas where hygiene is paramount.

Environmentally friendly and sustainable

MasterTop CTZ is low VOC and odourless. The floor is easy to clean with neutral bio-degradable detergents. Low water and power are required for general cleaning and maintenance. The aggregates used in the system are recycled materials from marble & granite quarries.

Fire resistance

MasterTop CTZ has excellent fire characteristics (class A1) and can be used on underground train station platforms or other areas where fire characteristics are essential.



Areas of application



Healthcare

- Hospitals
- Clinics
- Dialysis centres
- Rehabilitation centres



Transport

- Airports
- Metros
- Train stations



Retail

- Shops
- Supermarkets
- Shopping malls



Leisure, public & institutional areas

- Sport stadiums
- Hotels
- Exhibition halls
- Museums

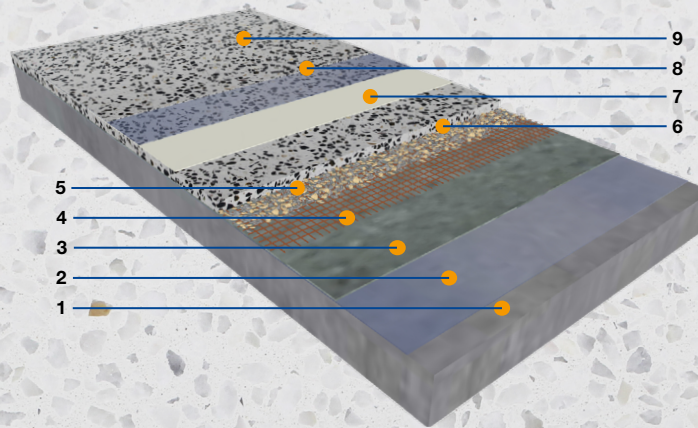


Education

- Universities
- Colleges
- Schools
- Nurseries
- Kindergartens



MasterTop CTZ system build-up



Layer	Components	Product Name	Product Description
1	Concrete Substrate		
2	Primer	Opt. 1: MasterTop P 650 Opt. 2: MasterTop P 651	Two component solvent free epoxy primer Three component solvent free epoxy primer
3	Membrane	MasterTop M 332	Solvent free polyurethane epoxy membrane
4	Reinforcing Mesh	MasterTop RM 10	Woven glass textile reinforcing fabric
5	Aggregate	MasterTop SR 5	1-2 mm silica aggregates
6	Body Coat	MasterTop 585 mixed with MasterTop F 585	Cementitious binder with decorative aggregates
7	Grouting / Filling	MasterTop 585 (diluted)	Cementitious binder
8	Densifier	MasterTop 20	Concrete hardener & dustproofing liquid
9	Sealer coat	Opt. 1: Ucrete TCPU Opt. 2: MasterTop TC 423	Polyurethane sealer Acrylic sealer



MasterTop CTZ technical information

Typical properties:

• Flexural strength (ASTM C580)	>10 MPa
• Compressive strength after 24 Hours	>25 MPa
• Compressive strength 28 days (ASTM C579)	>50 MPa
• Density (approx.)	2.0 kg/L
• Tensile strength (ASTM C579)	>5 MPa
• Adhesion to concrete	>2 MPa
• Open time	30 min
• Length Change (ASTM C157)	< - 0.005%
• Drying shrinkage	<0.5 mm/m
• Abrasion resistance (Taber test to ASTM D4060)	0.057 g/m ³

Note: All tests done with the MasterTop CTZ body coat (MasterTop 585 and MasterTop F 585) @ 25 °C

Benefits:

- Easy to apply – pre-bagged factory proportioned system
- Odourless
- Low VOC
- 12mm (grinded to 10mm) application thickness
- Low Shrinkage
- Highly versatile
- Designed to be tolerant to climate conditions
- Excellent compressive & flexural strengths
- Seamless finish
- Repairable
- Very low life cycle costs
- Ideal for highly trafficked areas
- Easy to clean & low maintenance



MasterTop CTZ must only be applied by the manufacturer's approved applicator!
For any given area, a cementitious terrazzo floor will typically take 8 – 10 days to install and polish to final finish

MasterTop® CTZ

Standard Matrixes

Aggregates

Binders

Natural Sunflower Mocha Chocolate Pepper

Carrara White

Bianco

Silver

Dolphin Grey

Slate

Graphite

Note: Due to technical reasons in printing, colour reproduction and product manufacture, the colours shown may not match the actual colours achieved on site: for physical colour samples, please contact your Master Builders Solutions representative.



MasterTop CTZ job references

Café, UAE



Restaurant, UAE





MasterTop CTZ job references

Hospital, UAE



Workshop, UAE



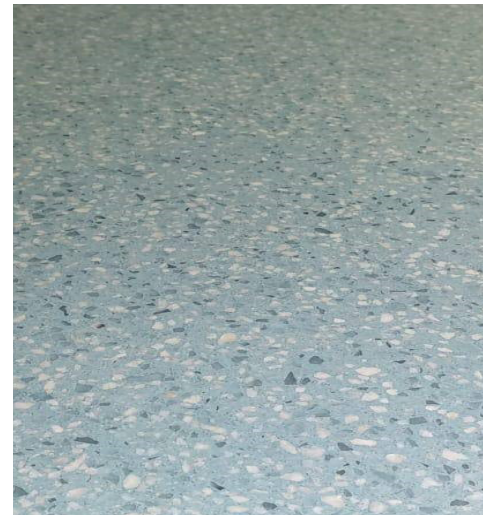


MasterTop CTZ job references

Riviera warehouse, UAE



Office, UAE





Master Builders Solutions for the Construction Industry

MasterAir®

Complete Solutions for air entrained concrete

MasterBrace®

Solutions for strengthening and structural adhesives

MasterCast®

Solutions for the manufactured concrete product industry

MasterCell®

Density reducing admixtures

MasterCem®

Solutions for cement manufacture

MasterEase®

Solutions for low viscosity concrete

MasterEmaco®

Solutions for concrete repair

MasterFiber®

Comprehensive solutions for fiber reinforced concrete

MasterFinish®

Solutions for formwork treatment

MasterFlame®

Passive fire protection system

MasterFlow®

Solutions for precision grouting

MasterGlenium®

Hyperplasticizer formulated from state-of-the-art polymers for the ultimate performance

MasterInject®

Solutions for concrete injection

MasterKure®

Solutions for concrete curing

MasterLife®

Solutions for enhanced durability

MasterMatrix®

Advanced rheology control solutions

MasterPolyheed®

High-performance superplasticizer

MasterPozzolith®

Solutions for water-reduced concrete

MasterProtect®

Solutions for concrete protection

MasterRheobuild®

Superplasticizer for concrete

MasterRoc®

Solutions for underground construction

MasterSeal®

Solutions for waterproofing and sealing

MasterSet®

Solutions for set control

MasterTile®

Solutions for tiling systems

MasterTop®

Solutions for industrial and commercial floors

MasterWeld™

Adhesive Solutions for construction

MasterX-Seed®

Advanced accelerator solutions for concrete

Ucrete®

Flooring solutions for harsh environments

Contact Information

Egypt

MBS Construction Chemicals Egypt (S.A.E)
Head Office: Business Park A, Building A1, Cairo Festival City, Ring Road, New Cairo, Egypt
Hotline: 15560, Phone: +202 2128 7800, Fax: +202 2128 7801
www.master-builders-solutions.com/en-eg



15560



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