



Globally Proven  
Construction Solutions

## TERRAZZO CMTX

TERRAZZO CMT X is a special cement-based easy-to-use, binder mix for application of terrazzo flooring in external and also internal areas. It need to be mixed before application with natural or synthetic coloured stones (aggregates), marble, recycled glass pieces and also colour pigments.

The drymix after mixing with required amount of water it is placed onto the prepared substrate. Once properly cured and polished the unique designed surface of terrazzo emerges with high mechanical properties. Application thickness will vary depending upon the added aggregate size and other factors.



### ADVANTAGES

- Easy to mix with various aggregates
- Suitable for external areas
- High mechanical strength

### MANUFACTURER

**LATICRETE Middle East LLC.**  
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[www.laticrete.me](http://www.laticrete.me)

### USES

- Polished terrazzo tops
- Exterior areas
- Landscaping
- Surfaces,
- Swimming pool deck areas
- Showrooms
- Commercial centers
- Buildings
- Park and street furnitures,
- Architectural items

**Packaging**

20kg bag; 72 bags per pallet

**Coverage**

Coverages will depend on the quantity and type of aggregate added. Also, coverages are related to the job-site conditions, application methods, wastages, etc.

Please consult LATICRETE technical service for more information.

**Suitable Substrates**

- Concrete
- Stones

**Shelf Life**

Factory sealed containers of this product are guaranteed to be of first quality for one year if stored off the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

**Storage Condition**

The TERRAZZO – CMTX should be stored in clean, dry, ventilated areas protected from the sun.

The temperature of the storage area should be between 8°C and 32°C, avoid excessive heat and freezing of the material.

**Limitations**

- Do not install over particleboard, chipboard, hardboard (Masonite®), Luan panels, interior glue plywood, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- Do not install when surface temperature is below 40°F (4°C) or above 90°F (32°C).
- Do not install over painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Never mix with cement or admixtures.
- Do not apply over waterproofing or crack isolation membranes.

**Cautions**

Before using any product:

- Read and understand the Product Data Sheet and Material Safety Data Sheet
- Check [www.laticrete.me](http://www.laticrete.me) for any technical bulletins or updated information about the product and its application.
- Contact your local Technical Sales Representative with any questions.
- Consult MSDS for more safety information

- Protect finished work from traffic until fully cured
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

**TECHNICAL DATA****Physical Properties (only binder mix) at 25°C**

Water	20% approx.
Mixed Density (kg/l)	2.00
Pot Life	1 hour (approx.)
Pull-off (bond) strength (BS EN1015-12)	> 2.5 N/mm <sup>2</sup>
Thermal compatibility ( BS EN 13687) freeze-thaw cycling with de-icing salt immersion	No sign of cracks, peeling, blistering, delamination, bubbling or other surface defects
Pull-off (bond) strength after thermal compatibility	> 2.5 N/mm <sup>2</sup>
Coefficient of Water absorption (BS EN 1015-18)	≤0.17 kg/cm <sup>2</sup> min <sup>0.5</sup>
Flexural Strength (BS EN196-1) 28 Day Cure	> 9.0 N/mm <sup>2</sup>
Compressive Strength ( BS EN 1015-11) 28 Day Cure	> 40 N/mm <sup>2</sup>
Water Soluble Chloride (Cl) (BS EN 1015-17)	< 0.01 % by wt.
Set Time (ASTM C1708)	Initial 4-5 hour (approx) Final 6- 7 hour (approx)

Specifications are subject to change without notification. Technical data shown in product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

**INSTALLATION****Surface Preparation**

- Substrate temperature should be between 40–90°F (4–32°C) during application and air temperature maintained between 50–90°F (10–32°C). Protect areas from direct sunlight
- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any loose particles by vacuuming and damp sponging.
- The minimum tensile strength of the substrate must be at least 1,5N/mm<sup>2</sup>.
- Inspect for contraction joints, construction joints and cracks in the substrate which may be subject to movement.
- In case of existing cracks on the substrate, it must be repaired with suitable repair product.
- Maintain substrate temperature is between 4–32°C and air temperature between 10–32°C during

installation and throughout drying. Provide adequate ventilation to ensure uniform drying.

- All concrete surfaces must meet a minimum of ICRI CSP Profile of 3.

### Mixing

TERRAZZO CMTX should be mixed with 4.0 – 4.2 L of water per 20 kg bag. Slowly add the powder in the water while stirring, once the powder is fully mixed then add the aggregates. Mix 3 to 4 minutes till the mix is homogeneous.

### Priming

Use LEVEL Primer with every application. Mix thoroughly before using. Mix and apply primer according to LEVEL Primer data sheet prior to the application of TERRAZZO – CMTX. Note: Keep primed surface clean. Do not allow any foot traffic onto surface.

### Application

The minimum thickness of TERRAZZO – CMTX should be 12mm – 18mm in a single lift.

Pour the mix in the prepared substrate, use trowel to spread evenly. Then finish with levelling bar or any other suitable tool.

After proper curing for polished finish a suitable grinding machine must be used. If any fine holes appear during grinding, the TERRAZZO CMTX powder mixed with water can be used as filler.

Proper application is the responsibility of the user. Field visits by LATICRETE® personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

### Cleaning

Clean all tools with water immediately after use. Hardened material can only be removed mechanically.

## AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide.

### For distributor information,

please contact us by email at: [enquiry@laticrete.me](mailto:enquiry@laticrete.me) or, visit [www.laticrete.me](http://www.laticrete.me)

### Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

## WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

## MAINTENANCE

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

## TECHNICAL SERVICES

### Technical assistance

For information contact us by email at:

[enquiry@laticrete.me](mailto:enquiry@laticrete.me)

### Technical and safety literature

To obtain technical and safety literature, please visit our website at: [www.laticrete.me](http://www.laticrete.me)

**Warning:** The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.