

CIKOpoxy Terrazzo



Decorative epoxy resin for Terrazzo floor systems

Description

CIKOpoxy Terrazzo is a two component (aggregates and filler excluded) epoxy-based resin to be combined with an extensive variety of decorative aggregates such as but not limited to marble, granites chips, coloured glass, pearl, metal fragments, etc. and poured in place to produce terrazzo flooring system.

Advantages & Properties.

- 100% solid content (VOC free)
- Seamless decorative floor finish.
- Provides wear and abrasion resistance.
- Easy to clean and maintain hygienic floor.
- Highly decorative.
- Durable.
- Low odour

Application Area & Uses

CIKOpoxy Terrazzo is suitable to use both in commercial and residential segments such as,

- Shopping malls
- Hotels.
- Offices.
- Restaurants and cafeterias.
- Multiplexes and auditoriums.
- Pharmaceutical industries.
- Food processing industries.
- Airports terminals and duty free
- Metro stations.
- Showrooms.
- Utility services elements in commercial buildings.
- Corridor and Walkways.

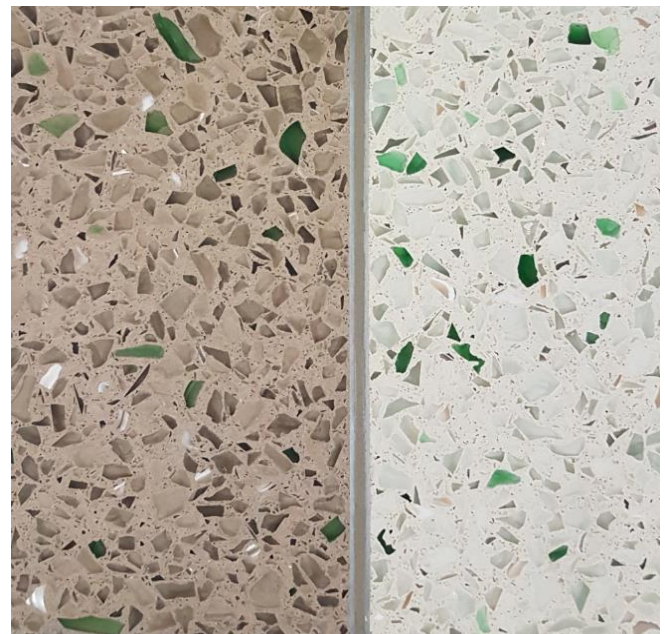
Physical properties / Cured Resin Properties

Form	Two components
Mixing ratio	Pre packed
Colour	Wide range
Pot life	30 to 40 minutes
Surface dry	4 – 6 hours
Hard dry	24 hours
Finish	Semi-Gloss
Compressive Strength	≥60 N/mm ²
Flexural Strength	≥10 N/m ²

Coverage

Consumption of CIKOpoxy Terrazzo system per square meter depends on the mix design, type and quantity of aggregates used.

Consult our Technical Service department for further guidance.



Application Instructions

Surface Preparation

The concrete surface should be free from dust and loose particles. All contamination should be treated well before application of CIKOpoxy Terrazzo.

New concrete floor:

The new concrete floor should complete the process of curing as per the standards. The surface should be prepared using mechanical scrubber to remove loose and un-bonded particles.

Old concrete floor:

All contamination such as oil / chemical spillage or pot holes should be treated. The surface should be prepared using mechanical scrubber to remove loose and un-bonded particles.

Application of primer

The base [Part-A] and hardener [Part-B] components of CIKOpoxy Prim11 should be mixed thoroughly using a heavy-duty slow speed drill fitted with spiral paddle for three to five minutes and ensure a homogenous mix is achieved. Application should be carried out at the coverage of 6.5 m² per litre. Finally allow the coated area to dry for a period of 5 to 6 hours before screed topping is applied.

Application of Terrazzo screed

The base [Part-A] and hardener [Part-B] components of Terrazzo Screed should be mixed thoroughly using a heavy duty slow speed drill fitted with spiral paddle for two minutes and ensure a homogenous mix. Add the decorative chips into the mix as per approved mixed design and mixing should continue for further few minutes until a homogenous mix is obtained.

Properly mixed materials should be spread over the dried-primed surface using steel trowel maintaining the required thickness with compaction.

Packaging

CIKOpoxy Terrazzo is available as 5 & 10 kg kit.

Shelf Life

CIKOpoxy Terrazzo has a shelf life of 12 months, if stored in accordance with CIKO instructions.

Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

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All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.

Storage

CIKOpoxy Terrazzo should be stored under enclosed shaded area at temperatures between 5 – 40°C.

Precautions

- CIKOpoxy Terrazzo should not be applied at temperatures below 10°C.
- Discoloration can occur depending on matrix design and UV light intensity exposure.
- Due to the incorporation of the applicator's individual blend of aggregates into our CIKOpoxy Terrazzo resin, CIKO cannot assume responsibility for any variations in colour observed in the complete flooring system.

Health & Safety

CIKOpoxy Terrazzo should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear suitable clothes, gloves and goggles. Use of barrier creams recommended providing additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice. Refer Material Safety Data Sheet for further details.

Technical Support

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off-site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints