



Chennai Paints Micro Concrete

Chennai Paints Micro Concrete also known as Micro Cement is fine-grained aggregate polymer-modified concrete that includes a combination of Portland cement, acrylic or polymer resins, fine sand, additives to improve its performance.

It is typically designed to counteract the natural tendency of the material that shrinks as it dries. It is ideal for structural concrete repairs from 4 mm to 12mm depth per layer.

It offers excellent adhesion, abrasion resistance and steel protection in a ready-to-use form. Micro Concrete can be applied to both horizontal and vertical surfaces.

It's ideal for refurbishing and enhancing everything from floors to walls in residential homes, as well as commercial properties.

It repairs cracked structures without heavy machinery, making it cost-effective and ideal for hard-to-reach spots. Its rapid drying ensures minimal disruption, allowing surfaces to be functional in a day



Pack Size 25Kg

 Water Base

Advantages

- Micro concrete is User-friendly, easy on application and does not require heavy machinery for mixing because it has flow able materials and requires no compaction and has excellent bond to concrete and rebar. Benefit of its quick drying time makes the area it has been applied on fully functional within a day
- It has low permeability and can be applied indoors and outdoors. Micro concrete uses and applications range from kitchen floors to swimming pools. It is an extremely durable and reliable option used on several surfaces to bring a consistent and flawless finish to every surface.
- It requires less water and Achieves high early and final strength. It also contains zero chlorides, which makes it highly durable.
- Efficient for restoration works, No cracks occur on micro-concrete surfaces because it does not shrink.
- Micro-concrete is also a budget-friendly option as it costs a lot less than conventional concrete. It comes in a repacked mix for consistent weight, eliminating the chance of human error and ensures no batch variations.

Colour / Packing /Shelf life

- Chennai paints Micro concrete comes in Grey Colour and is available in 25 kg packing.
- It has to be used within 6 months from the date of manufacturing.
- Kindly store in original bags to protect from dampness.

Surface Preparation



It can only be applied when the surface is dry and free from grease or dirt. It is essential to ensure that the surface is cleaned prior to its application onto any surface, whether concrete or steel. Metal surfaces that succumb to corrosion also need to be cleaned and coated before the application of this material.



Application

Mixing

One reason why this concrete is right choice is because mixing it is significantly easier than conventional concrete.

The mixture can be mixed either by hand or with a mixing vessel.

Mix dry material with 14 % of water per 25 kg bag for fluid consistency or 12.5% liters for mortar consistency.

It is recommended to mix one 25 kg bag at a time. Pour 80% of gauging water into the mixer of Micro Concrete slowly, mix for 3-5 minutes, and then add the remaining water and mix for 2-3 more minutes.

Avoid air bubbles during pouring.

Note- since Micro Concrete requires less water, once the water and the concrete have been mixed together, they need to be stirred gradually and constantly to achieve a serviceable mix.

Pouring

Whatever the surface, Micro Concrete needs to be poured as soon as it has been mixed, waiting for too long could result in the mixture drying up.

The mixture is poured quickly to achieve the ideal consistency and flow during application.

After the mixture has been poured, relevant tools can be used to smoothen it before it is left to dry.



Direction for Use

The mixture can be mixed either by hand or with a mixing vessel.

STEP 1

Mix dry material with 14 % of water per 25 kg bag for fluid consistency



It is recommended to mix one 25 kg bag at a time.

STEP 2

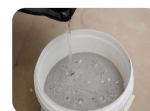
Pour 80% of gauging water into the mixer of Micro Concrete slowly



Mix for 3-5 minutes

STEP 4

Add the remaining water and mix for 2-3 more minutes.



Avoid air bubbles during pouring.

STEP 5

Pour as soon as it has been mixed, waiting for too long could result in the mixture drying up.



The mixture is poured quickly to achieve the ideal consistency and flow during application.

After the mixture has been poured, relevant tools can be used to smoothen it before it is left to dry.



Information on Health & Safety:

- All Chennai Paints products contain no added Lead, Mercury, Arsenic or Chromium Store the bag / containers with the mouth tightly closed in an upright position, in a cool, dry and well ventilated location away from source of ignition and fire.
- Keep out of reach of children and away from food, drink as it is harmful if swallowed. In case of ingestion seek immediate medical attention.
- Avoid contact with skin for prolonged period. In case of any contact with eyes, wash immediately with plenty of soap water and seek medical attention.
- Cementitious mortars and slurries modified when mixed or when become damp, may release alkali which can be harmful to skin & eye.
- Use protective equipments like rubber or polythene gloves, safety goggles or glasses, face mask respiratory protective equipments while handling the product and application.
- Do not pour leftover Concrete slurry down the drain or in water courses. In the event of spills, contain spillage using sand Left-Over Disposal: Left-over paint/drums/ woven sacks etc should not be disposed in soil/drains. Consumers should consult a local recycling agency for proper disposal of paint/drums/ sacks etc

(Note- Specifications subject to change without notification. The technical data provided is as per our internal lab testing and may vary as per the actual installation method of application done at site)

Limitations this product is not a replacement for waterproof membranes. Please use specified products for waterproofing.

Disclaimer – Information provided on this data sheet is only a guideline for usage. It is advised to undertake a trial of the product before full scale usage. Any information and / or specification contained / shared herein is to the best of our knowledge true and accurate, no guaranty / warranty is given or implied in connection with any recommendation or suggestions made by us the company (Chennai Paints), our Representatives, Agents or Distributors, as the conditions of use of any labour involved, site conditions are beyond our control.

Product TDS No. MC -01/04/2024. Please note that this datasheet supersedes all previous versions.

For Feedback/complaints, write to Marketing Manager Services, Chennai paints-200A, M.H.Road, Chennai-600-060. Tamilnadu India