

# DECK MICRO CONCRETE

High Strength Repair Mortar



## Introduction

Deck Micro Concrete is a nonshrink cementitious repair mortar for repairing damaged concrete elements like beams, columns and other areas. Deck Micro Concrete, when added with water forms a freeflowing, workable mortar which can be used to repair intricate areas of the structure as well. The high quality cement, well graded quartz aggregates and special admixtures in Deck Micro Concrete impart very high strength to the cured mortar.

## Key Features

- Flowable mortar: No compaction required
- High strength: Very high initial and ultimate compressive strength
- Nonshrink: Special additives in Deck Micro Concrete compensate for the shrinkage
- Rapid strength gain: allows for removal of shuttering early

## Application Areas

- Damaged areas of concrete like beams, columns and others where access is restricted
- Strengthening of columns by jacketing

## Technical Data

Appearance	Grey dry powder
Bulk density	1600 Kg/cu.m.
Cured density	2300 Kg/cu.m
Water requirement (for 100 Kg)	15 Kg
Pot life	20-30 min
7 Day compressive strength	> 40 N/mm <sup>2</sup>

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## Application Procedure

### Surface preparation

1. Surface to be repaired should be clean and sound, free from any deleterious material.
2. Weak portion of concrete should be removed till sound surface is obtained. Damp down the surface of old concrete before pouring Deck Micro Concrete.

### Mixing

3. Deck Micro Concrete is supplied in powder form. Mix water to the powder in the ratio of 0.15 approximately to get the desired consistency.

### Application

4. Pour Deck Micro Concrete into a watertight shuttering.
5. Care should be taken to see that the gaps in the shutter forms are effectively sealed with masking tape or cotton to ensure that the material does not run out of shutters joints.
6. Cure the repaired concrete for minimum 7 days after removing the shuttering.

### Packaging

30 kg sack

### Storage

Avoid extreme temperatures and direct exposure to water/moisture. Keep in cool, dry and under shed. Deck Micro Concrete performs well for at least 6 months from the date of manufacture.

### Health and Safety

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach. If splashed on to cloth or any other fabric, wash immediately otherwise it may leave permanent stain.

### Product Disclaimer

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.