

# Dr. Fixit Floor Repair Mortar



ONE PACK READYMIXED DRY MORTAR FOR CONCRETE AND CEMENTITIOUS FLOORS

## Description

**Dr. Fixit Floor Repair Mortar** is composed of high quality cement, properly selected & graded dry aggregates and additives to improve the application & performance properties of the repair mortar. It is single component, shrinkage compensated cementitious concrete repair mortar suitable for a wide range of concrete and masonry repairs, especially in industrial concrete floors and parking decks where low down time is required.

## Specification

**Dr. Fixit Micro Concrete** meets the requirement of ASTM C 109: 99, ASTM C 307, BS 1881 Part 207

## Areas of Application

- Repair of damaged, debonded or weak concrete in industrial floors.
- Replacement of spalled, chipped or cracked concrete.
- Pointing parking decks, dockyards.
- The mortar is suitable for areas where superior chloride and carbon dioxide resistance is required.
- Repair of floors, where low down time is required.
- Repair of concrete structures.

## Features & Benefits

- **Trafficable** - Light traffic can be allowed after 24 hrs.
- **Ease of application** - Pre-packed, easy to use, just addition of water at the site is required.
- **Advantage** - Formulated for use in hot climatic conditions.
- **Workability** - Excellent workability & slump free nature permits pouring in congested reinforced segments.
- **Shrinkage** - Shrinkage compensating mortar prevents cracking & debonding.
- **Permeability** - Low permeability improves weather resistance.
- **Bond strength** - Excellent bonding strength prevents delamination.
- **Compressive strength** - Excellent compressive strength, strengthens the parent concrete segment.
- **Resistant** - Excellent resistance to chloride and carbon dioxide.
- **Chloride content** - Free of chloride admixtures.
- **Tensile strength** - Excellent flexural and tensile strength for durable repairs.

## Note

- The heavy load bearing capacity and high mechanical strength of Dr. Fixit Floor repair Mortar ideal for heavy repairs and backings.

## Method of Application

### 1 SURFACE PREPARATION

- All the application areas should be clean, sound and free from oil, grease and paint like materials by mechanical tools.
- **Proofing**
  - Cut the periphery of the repaired section into a regular profile with help of mechanical saw cut into rectangular surface with minimum depth of 12 mm, edges can be cut to an angle less than 90° for better results
- **Repairs on old industrial concrete floors**
  - The decayed or damaged area of the concrete should be saw cut or cut neatly keeping the side of the area as square as possible. Feather edging must be avoided. test the surface for soundness; remove all loose debris, dust and water.
  - Reinforcing steel should be exposed and cleaned around its full circumference. clean the steel thoroughly and

# Dr. Fixit Floor Repair Mortar

ONE PACK READYMIXED DRY MORTAR FOR CONCRETE AND CEMENTITIOUS FLOORS

remove the corrosion with alternative methods.

- Priming of Reinforcing steel - immediately after the completion of cleaning, apply Dr. Fixit epoxy Zinc primer as a protective coat for steel. the priming system to be used on the concrete substrate will also depend on the actual cause of the damage.
- Allow minimum 1 hour standing time between the application of Dr. Fixit epoxy Zinc primer and the subsequent application of Dr. Fixit Floor repair Mortar

## Dosage & Mix Design

TYPE	REPAIR MORTAR KG	GRAVEL KG	WATER LITRES	VOLUME OF MIX LITRES
Mortar	25	0	4.5	15.81
Pure slurry	25	0	5.1	16.51
Micro concrete	25	5	3.21	20.10

## Precautions & Limitations

- temperature range: 5°C to 35°C. Outside this range, it is recommended to use hot mixing water (below 5°C) or cold water (above 35°C) depending on the circumstances. protect the surface from direct heat & temperature above 35°C
- solid and resistance supports to be used. support is to be saturated with water a few hours prior to installation. all residual water to be removed prior installation.
- Do not mix with other hydraulic binders.
- Under no circumstances any additives to be used.

## Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Granular grey powder
Bulk density, kg/Litre		1.42
Grain size		0 - 1 mm
Special ingredients		Special cement & binders
Compressive strength, 28 days, n/mm <sup>2</sup>	ASTM C - 579	40.0
Flexural strength, 28 days, n/mm <sup>2</sup>	ASTM C - 580	6.5
Tensile strength, 28 days, n/mm <sup>2</sup>	ASTM C - 307	4.0
Water absorption, %		<1.7
Bond strength, N/mm <sup>2</sup>	BS 1881, Part 207	1.8

## PACKING

30 kg

## Shelf Life & Storage

# Dr. Fixit Floor Repair Mortar



ONE PACK READYMIXED DRY MORTAR FOR CONCRETE AND CEMENTITIOUS FLOORS

- Shelf life is 12 months from the date of manufacturing. store in a cool & dry place in unopened conditions.

## Health & Safety Precautions

- As with all chemical products, caution should always be exercised. protective clothings, such as gloves and goggles, should be worn.
- Treat any contact to the skin or eyes with fresh water immediately. should any of the products be accidentally swallowed, do not induce vomiting but all for medical assistance immediately.
- Ensure the pack is available for the medical attendant to examine any relevant instructions and contents details.
- Reseal all containers after use and ensure product is stored as instructed.

## Other Product Categories Available

Dr. Fixit has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



### Pidilite Industries Limited

Construction Chemicals Division  
Ramkrishna Mandir Road  
Post Box No. 17411  
Andheri (E) Mumbai 400059 INDIA  
Tel +91-22-2835 7000 • Fax +91-22-2835 7008  
website [www.doctor-fixit.com](http://www.doctor-fixit.com) • E-mail [drfixit@pidilite.com](mailto:drfixit@pidilite.com)  
**Toll Free No.: 1800-22-5502**

**DISCLAIMER** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.