

Dr. Fixit Pidicrete AM



EXPANSIVE PLASTICISING ADMIXTURE & GROUTING
AID FOR CEMENTITIOUS GROUTS

Description

Dr. Fixit Pidicrete AM is composed of plastisizers, expansion additives, polymers & defoamer. It is used for producing cementitious injection grouts for pressure / gravity injection into concrete structures, for producing cementitious grouts, which are suitable for bed grouting, duct grouting, filling etc. because it provides plasticizing action which improves flow, expansion additive provides shrinkage compensation after curing & high compressive strength.

Specification

Pidicrete AM meets the requirement of ASTM C 109: 99, ASTM C 307, BS 1881 Part 207

Areas of Application

- For injection grouting in -
- RCC slabs, Sunken slabs,
- RCC walls of water tanks, swimming pools
- Basements for waterproofing purpose
- Duct grouting
- Rock and soil anchoring
- Pre-placed aggregates and tunnel lining
- Crack filling in structural cracks
- For structural strengthening in repairs

Features & Benefits

- **Shrinkage** - Produce shrinkage compensating cement slurry.
- **Permeability** - Reduced water-cement ratio of cementitious grouts, the mix has reduced permeability to water.
- **Flowability** - Provides good flowable grout mix so that mix could be easily placed or injected by gravity or pressurized injection pump.
- **Durability** - Increases durability of repaired structures.
- **Corrosion** - Chloride and iron free, hence no chance of corrosion.
- **Setting time** - Does not affect the setting time of cement.
- **Strength** - Does not affect the strength of cement, infact increases

Method of Application

CEMENTITIOUS INJECTION GROUTING-

1 SURFACE PREPERATION

- The areas that requires injection grouting should be prepared thoroughly and locations of grout must be finalised.
- Drill hole of required size into the structure and fix grouting nozzle. Allow nozzle to set for 24 hours.

2 MIXING

- Take the appropriate amount of water and then add cement and mix for 3-5 minutes with a drill mixer (for small jobs) or a paddle type mortar mixer (for large jobs) at 150 - 200 rpm.
- Add required quantity of Dr. Fixit Pidicrete AM and mix for another 3-5 minutes until a consistent mix is achieved.

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3 APPLICATION

- Carry out injection grouting either by gravity or with grouting pump using the mixed material.

3 CEMENTITIOUS BED GROUTING

SURFACE PREPERATION-

The areas that requires grouting should be prepared thoroughly, Remove dirt, dust, loos particles & coating. Make the surface SSD condition for at least 24 hrs. Remove excess water.

3 MIXING

- Mix 1 bag [50 Kg] OPC - 53 grade cement with 100 Kg of clean & dry fine sand [0 - 2mm] in a pan / concrete mixer.
- Add Dr Fixit PIDCRTE AM, 225gms & mix for 2 minutes.
- Start addition of water, 20 - 25 Ltrs [as per w/p ratio - 0.2 to 0.25] , under mixing & mix for 3-5 minutes to get homogeneous flowing mortar.

3 APPLICATION

- Pour the mixed grout over prepared SSD surface, allow it to cure for 24 hrs before curing with wet hessian cloth / apply Dr Fixit Curing Compound.

Precautions & Limitations

- Number of holes and diameter to be decided at site
- Grouting pressure should be adjusted at site depending upon the nature of problem and thickness of structural member
- Properly seal the nozzles, with suitable adhesive / sealant / polymer modified mortar.
- Do not dilute the injection grout with more water, it will reduce the strength.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Colour	:	Brownish grey powder
Bulk density	:	0.70 - 0.80 gm/cc
Shrinkage	:	NIL

Dosage

225 gms per 50 kg cement

PACKING

25 kg

Coverage

50 kg cement and 225 g Dr. Fixit Pidicrete AM will give 26-34 ltrs. Yield, when used with a water : cement ratio of 0.30 to 0.45



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Shelf Life & Storage

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

Health & Safety Precautions

- Use rubber hand gloves & safety goggles, while using Dr Fixit PIDICRETE AM
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children's

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 • E-mail drfixit@pidilite.com
Toll Free No.: 1800-22-5502

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