



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 plastisizing action which improves flow, expansion additive provides shrinkage compensation after curing & high compressive strength.

Specification

Meets the requirement of ASTM C 109: 99, ASTM C 307, BS 1881 Part 207

Typical Applications

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

- **Shrinkage** - Produce shrinkage compensating cement slurry.
- **Permeability** - Reduces 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.

Packaging

25 kg

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.

3 APPLICATION

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



CEMENTITIOUS BED GROUTING

1 SURFACE PREPARATION -

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

2 MIXING

- Mix 1 bag [50 Kg] OPC - with 100 Kg of clean & dry fine sand [0 - 2 mm] in a pan / concrete mixer.
- Add Dr. Fixit Pidicrete AM, 225 gms & 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	RESULTS
Colour	Brownish grey powder
Bulk density (50 Taps)	0.92 - 1.06 gm/cc
Shrinkage	NIL
Setting Time	30 - 600 min.

Dosage

225 gms per 50 kg cement

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

Shelf Life

- 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

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Dr. Fixit brings you the widest range of Construction Chemicals



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