



AL ZARINA  
BUILDING SPECIALITY FZCO

# POLYCRETE AM

## CEMENTITIOUS EXPANSION INJECTION GROUT

### DESCRIPTION

Polycrete AM is a specially formulated expansive injection grout for structural cracks and honeycomb concrete. It is formulated with cement, fine quartz sand, active chemicals and retarding agent which is not saponify under wet and alkaline conditions and it has non-shrink properties and it will not shrink when grouted into pore and capillaries of concrete. Polycrete AM is supplied in powder form and specially good for bonding physically and chemically in the capillaries of cracks and honeycomb in the concrete where it also expands and seals them.

### AREA OF APPLICATION

- For injection grouting in RCC slabs, sunken slabs, RCC walls of water tanks, swimming pools and 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

- Produce shrinkage compensating cement slurry.
- Reduced water-cement ratio of cementitious grouts, the mix has no permeability to water and has long term durability.
- Provides good flowable grout mix could be easily or injected.
- Chloride and iron free, hence no chance of corrosion.
- Does not affect the setting of cement.

### METHOD OF APPLICATION

- The area that requires injection grouting should be prepared thoroughly and location of grout must be finalised.
- Drill hole of required size into the structure and fix grouting nozzle. Allow nozzle to set for few minutes.
- Take the appropriate amount of water and then add cement and mix for 3-5 minutes with drill mixer paddle.
- Add required amount of Polycrete AM and mix for another 3-5 minutes until a consistent mix is achieved.
- Carry out injection grouting either by gravity or with grouting pump using the mixed material.

## PRECAUTIONS & LIMITATIONS

Pumping pressure should be adjusted at site depending upon the nature of problem and thickness of structure member.

Number of holes and diameter to be decided as per site conditions and requirement.

## TECHNICAL DATA

Form	Powder
Colour	Grey
Bulk Density	0.70 - 0.80 gm/cc
Shrinkage	Nil
Mixing Ratio	20kg bag per 25kg cement or as per site requirement
Coverage	20kg bag with 25kg cement will give 20-30 litres yield, when used with water: cement ratio of 0.30 to 0.45

## POT LIFE

After mixing of Polycrete AM, it has to be used within 1 hour.


## STORAGE & SHELF LIFE


It has a shelf life of 1 year. Store the material in cool and dry place.

## PACKING


20 kg bag.

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.

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