



# VISTA

## VISTA POXYBOND -21

HIGH STRENGTH INJECTABLE EPOXY GROUTING COMPOUND

### DESCRIPTION:

**VISTA POXYBOND – 21** is a two component A –Resin and Component B – Hardner solvent free, low Viscous fast curing epoxy resin system. It is designed especially for pressure injection grout into concrete for carrying structural repairs. Due to its low viscosity it can be injected into extremely fine cracks also, Vista Poxybond-21 Conforms to **ASTMC881, TYPE-1**

### USES :

**Vista Poxybond-21** is ready to use for pressure injection into concrete for structural repairs. It is used to fill and seal voids cracks in structure such as bridge and other civil-engineering building, industrial and residual building such as column, beam, foundation, walls, floor and water retaining structures.

### ADVANTAGE :

- It can be injected into extremely fine cracks and small cavities.
- It has high compressive strength, tensile, and Flexural strength.
- Excellent bonding and adhesion.
- No shrinkage during curing
- Like all epoxy resin system it has high chemical resistance.
- Cured material is not brittle and remains slightly flexible.
- Reduced thermal expansion co efficient thus improves thermal conductivity.

### METHOD OF USE

#### Surface Preparation:

Surface should be cleaned before application and, dry, free from loose particles, oil, grease or other foreign materials, injection nipples are fixed in a square grid maximum 500 to 800 mm c/c depending on the cracks and nature of concrete, If required for effective treatment, the grid may be reduced. Before the injection starts all crack and crevices are to be sealed with Vista Poxybond-21 and surface sealing is to be done for other porous area.

#### Mixing:

Mixing Ratio = component A: Component B = 2:1 (by wt.). Comp B is to be poured in Comp A and stirred gently. Mix at least 5 minutes to uniform colour with out any stick using a drill and paddle mixed (speed 400 RPM) so as to avoid any entrapped air.

#### Application:

The Grout mixture should be pumped by a positive displacement plunger type pump. Inject at slow and even pressure through the injecting nipples till refusal or when the grout oozes out from nipple immediately adjacent to or above the one being inected.



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## Cleaning:

Clean all tools & equipment immediately after use with, Xylene, Toluene or suitable solvent.

## PROPERTIES:

Aspect	Light amber.
Density	1050-1150 Kg/m <sup>3</sup>
Compressive strength (Min)	300 Kg/cm <sup>2</sup> in 24 hours 750 Kg/cm <sup>2</sup> in 14 days
Tensile strength at 27 <sup>0</sup> C	250 Kg/cm <sup>2</sup> in 14 days
Flexural strength 27 <sup>0</sup> C	300 Kg/cm <sup>2</sup> in 14 days
Shrinkage	Practically no shrinkage
Chemical Resistance	Unaffected by wide range of chemical and oils etc.

## SHELF LIFE:

12 month if it is in unopened sealed condition.

## PACKING:

3,6,12 Kg Kit or as required

## HANDLING PRECAUTION:

Vista Poxybond-21 is non-toxic but ingestion is to avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash immediately with water and seek medical advice.

## NOTE :

- The content of the technical data sheet are for general information and guideline only. Results shown here are generated from our laboratory or from our site experiences. This behavior may change as per prevailing condition at the time of application.
- VISTA maintains a team of technical trained professional to provide full support in regards to any of our products.

Manufactured & marketed by

**VISTA CHEMTECH PVT. LTD.**

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