

# ShaliGrout Anchor

2K Polyester Resin Based Anchor Grout



## Description

**ShaliGrout Anchor** is two components, thixotropic, polyester resin-based anchor grout. After hardening,

**ShaliGrout Anchor** produces anchorages of consistent reproducible values and reduces flow out of holes.

## Characteristics

Compressive Strength 50 mm cube, kg/Cm <sup>2</sup>	700	Chemical Resistance	The cured system is resistant to salt water, petrol / oils / grease and most acids, alkalis and solvents
Specific Gravity	2.20 ± 0.2	Gel Time, 30 °C	40 minutes
Colour	Grey		
Consumption : Quantity of material required in grms = volume of hole – volume of bar inserted x specific gravity.			

## Application

- High strength corrosion resistance anchoring of bolts or bars from 12 mm to 30 mm dia in to concrete, rock, masonry or brick work.
- Permanent installation of reinforcement starter bars.
- Foundation bolts, base plates, barriers and safety fences, railway tracks requiring high speed of installation and early application of load.
- Ground anchors for towers, cranes etc.
- Reinforcement dowelling abutments

## Advantages

- Non-expansive.
- Rapid strength gain.
- Resistant to vibration / corrosion.
- Fast setting / quick return to service.
- Excellent load bearing capacity.
- Excellent bond foundation to base plate.
- Stable in deep or thick sections.

## Application Methodology

### ➤ Hole & Surface Preparation

- Ensure that holes are sound, rough and free from any oil, dirt, debris, water, paint, unsound concrete or other contaminants. If parallel sides holes are cast, they should be rough to provide adequate bonding.
- Prepare the holes mechanically if space permits, otherwise by steel brush.
- Cast holes should preferably be inverse dovetail configuration.
- Anchor bolts holes and block-outs should be cleaned of all dust, dirt and debris and allowed to dry. If sides are smooth, roughen holes preferably with rotary brush hammer, otherwise with a stiff bristle wire brush.
- As a precautionary measure, remove all residue with a vacuum cleaner or pressure washing.

### ➤ Bolt Preparation

- De-grease all bars / bolts and remove the flaky rust.

### ➤ Material Preparation

- Mix Comp B (catalyst) into Comp A (resin) **(not the reverse)** thoroughly for 2 minutes by using a drill mixer till a homogeneous mix of even consistency is obtained. Always mix full pack components and never partial pack components.
- Place the mixed grout well before the gel time.

### ➤ Application of Material

- Bring all **ShaliGrout Anchor** materials as close to room temperature as possible.
- Inject the mixed material to the rear of holes to avoid air entrapment. The thixotropic nature of **ShaliGrout Anchor** will prevent significant flow of mix out holes.
- Slight agitation of the bar will assist in achieving a complete bond.
- The bar should then be left undisturbed in the required position until the resin is set.
- **ShaliGrout Anchor** requires no special curing procedures.

## Cleaning & Maintenance

Tools and mixer may be cleaned with solvents like Xylene or Toluene.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

## Packing

Available in cartons containing 1 kg x 16 Nos.

## Storage

Store in cool dry place, under the shed, away from heat.

## Shelf Life

6 months in original unopened sealed conditions.



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