

## OVERVIEW

RANSPOXY-IGS - Epoxy based Injection Grout consists of a base component containing solvent free epoxide resin plus a low viscosity liquid hardener. Epoxy Injection Grout may be placed by free flow under gravity or may be injected using a suitable hand or mechanical pump. Grouting of gap dimensions 0.1mm to 10mm may be easily achieved.

The system gives rapid strength gain obtaining mechanical properties several times those of high quality concrete. The product is non-shrink enabling complete fill of the grouting area. The hardened grout is resistant to most chemicals, stable to sea water, petroleum products and resists freeze thaw cycles.

## PROPERTIES/ADVANTAGES

- **Injection Grouting Component** for Concrete Walls & Floors
- Being Soluble to Water, it can be applied on **Damp surface for Injection grouting**
- Bridging the gaps in cracks of Kota, Mosaic tiles, Trimix & PCC
- Bonding agent for Old Concrete to New Concrete & MS Structures,
- Primer to Concrete as well Reinforcement fibers and making Coving.

## RECOMMENDED USES

- Crack Injection Application
- Filling and bonding of cracked concrete
- Structural support where thin section grouting is required
- Structural support where dynamic load resistance is required
- Bonding of lifted floor toppings
- Being soluble to water, it can be applied on damp surface for injection grouting

## INSTRUCTIONS FOR USE

The application temperature should be between 15°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

### Surface preparation

For better adhesion, it is essential to clean the surface on which the material is to be consumed. To remove dust, dirt, or loose particles by emery paper, wire brush. To get optimum performance the surface must be dry, free from oil grease.

### PRECAUTION:

Mix only the required quantity of material which can be utilize within stipulated pot-life period to avoid solidification.

Wash all tools and tackles with ample of water immediately after application is completed.

## HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

## PACKGING & STORAGE

RANSPOXY-IGS is packaged as per given details in Technical Data:-

<b>Self-life</b>	12-15 months, stored in cool and dry Place In sealed Containers.
<b>Packaging</b>	30 kgs, 15 kgs, 1.5 kgs.
<b>Storage</b>	Material should be stored in an enclosed area and away from direct sunlight and heat.

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**TECHNICAL  
DATA**

<b>Product</b>	Two Part Injection Grouting System.
<b>Type</b>	Solvent free vinyl ester
<b>Finish</b>	Pale Yellow
<b>Ratio</b>	Resin part 100 pbv 100 pbw Hardener part 50 pbv 50 pbw
<b>Coverage of mix</b>	40 Sq.ft / Single coat over Smooth surface
<b>Viscosity of mix</b>	Free Flow Liquid
<b>Pot-life of mix</b>	30-35 Min at 35'c
<b>Dry Film Thickness</b>	200 Micron [ DFT ] in Single coat
<b>Density</b>	1.10 of Mix.
<b>Texture</b>	Smooth
<b>Odour</b>	Odorless [while application]
<b>Compressive strength</b>	80 N/mm <sup>2</sup>

**PICTURES/IMAGES AT GLANCE**



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