

## Injection Epoxy Resin

### DESCRIPTION

TAMREZ 220I is a low viscosity epoxy resin designed for the Indian market. Its low viscosity will allow maximum penetration into small non-moving cracks in concrete structures.

TAMREZ 220I exhibits extremely high strength in its cured state, thereby restoring structural integrity.

### KEY BENEFITS

- › Excellent adhesion
- › Low Viscosity
- › Non-shrink

### TYPICAL APPLICATIONS

- › Pre-cast members
- › Injection of cracks in dry or damp concrete
- › 0.1mm to 10mm Crack widths
- › Columns and beams
- › Bolt grouting
- › Joint reinstatement
- › Concrete repair mortars

### RELATED PRODUCTS & EQUIPMENT

- › TamRez cleaner
- › TamRez injection products

### PACKAGING

The standard pack size is 4.00kg in tin containers.  
(Contains 2.88kg of Part A, 1.12 kg of Part B)

Other packaging options may be available from your local Normet representative.

### TECHNICAL DATA

| Physical Appearance                |                                            |                 |           |
|------------------------------------|--------------------------------------------|-----------------|-----------|
|                                    | Part A                                     | Part B          | Mixed     |
| Density [Standard] kg/L            | 1.15-1.16                                  | 0.96-0.97       | 1.09-1.10 |
| Appearance                         | Clear<br>Liquid                            | Amber<br>Liquid |           |
| Mix Ratio (w/w)                    | 72                                         | 28              |           |
| Physical Properties                |                                            |                 |           |
| Pot Life                           | 25°C – 60-70 minutes<br>30°C 30-40 minutes |                 |           |
| Compressive Strength<br>50 mm Cube | 1 Day                                      | >70MPa          |           |
|                                    | 7 Days                                     | >90MPa          |           |

### APPLICATION GUIDELINES

#### Preparation of Surfaces

Surface preparation is essential for good adhesion of an epoxy system. Intended adhesion sites should be mechanically cleaned by sandblasting, pressurised air or water prior to application. All loose or unsound material must be removed and the site dry and dust free to ensure a superior bond.

#### Conditioning

All Normet epoxies should be optimised by using at between 20°C and 25°C.

Prior to use, condition all materials at appropriate temperatures for at least 12hours. Any variation on this will have a significant effect on the open times and may prolong curing times.

#### Mixing

Mix each individual component using a paddle drill before use. This ensures a homogenous material.

Add the appropriate ratio of Part A to Part B Hardener in a large mixing container (plastic preferred) and mix for a further 3 minutes. Longer mixing times may be required in cooler ambient conditions.

*Ensure that the quantity of material mixed can be used within the open time.*

#### Cleaning

It is recommended that all equipment is cleaned with TamRez Cleaner as soon as possible after use.

#### STORAGE

TamRez 220I should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 12 months can be expected.

#### HEALTH & SAFETY

TamRez 220I should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.

# TamRez 220I

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**normet**

**CONSTRUCTION CHEMICALS**

TECHNICAL DATA SHEET

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.