

# EPOXY RESIN – 21 T

## Two Component Thixotropic- Repair Epoxy Paste

Specification According to: ASTM C881-99, Type I, Grade 2, Class B+C.

### DESCRIPTION

**EPOXY-RESIN-21 T** is a two component, thixotropic epoxy paste with outstanding bonding capabilities. The product is 100% solids therefore after hardening no shrinkage occurs. **EPOXY-RESIN-21 T** has excellent resistance to alkaline and acidic environments as well as very good resistance to oils and solvents. These properties make **EPOXY-RESIN-21 T** very successful not only in construction but also in marine and industrial applications.

### RECOMMENDED FOR

#### 1. Bonding of:

- Cement mortars
- Metal structures
- Old and new concrete

#### 2. Filling, Sealing of cavities and cracks in:

- Pillars
- Foundations

- Beams
- Walls

#### 3. Marine and Industrial Applications

Fills irregularities in water tanks, fuel reservoirs, refrigeration units. Bonds various metals, fiberglass etc.

### METHOD OF APPLICATION

Clean the surface, using jet water if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed.

Mix the two components of **EPOXY-RESIN -21 T** until the mixture becomes homogenous and subsequently apply by spatula.

### PACKAGING

1kg

### TECHNICAL SPECIFICATIONS

#### LIQUID PRODUCT:

| PROPERTY                                   | UNITS              | METHOD  | SPECIFICATION                            |
|--|--------------------|---|--|
| -Pot Life (25°C) & 55% RH                  | min                | Internal Method                               | 30-40 min                                |
| -Viscosity                                 | -                  | -   | Comp.A & B:<br>Thixotropic soft<br>paste |
| - Density of mix                           | gr/cm <sup>3</sup> | ASTM D1475 / DIN 53217 / ISO 2811,<br>at 20°C | 1.6-1.7                                  |
| - Mixing Ratio                             | -                  | -   | (A/B) 2/1 by<br>volume or by<br>weight   |
| - Dry time (dry to touch,<br>25°C, 55% RH) | hours              | -   | 6-8                                      |

## EPOXY RESIN – 21-T ®

**DRY PRODUCT:**

| PROPERTY                            | UNITS             | METHOD                   | SPECIFICATION |
|-------------------------------------|-------------------|--------------------------|---------------|
| -Adhesion Concrete                  | N/mm <sup>2</sup> | ASTM D4541               | >3            |
| -Compression Strength               | N/mm <sup>2</sup> |                          | >40           |
| -Tensile Strength, 23 °C            | N/mm <sup>2</sup> | ASTM D412 / EN-ISO-527-3 | >30           |
| -Shrinkage                          | -                 | -                        | 0             |
| - Freeze/Thaw resistance            | -                 | -                        | Excellent     |
| -Resistance to solvents, lubricants | -                 | -                        | Excellent     |

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