



# EPOXY BASE BONDING AGENT

## 2K Epoxy Bonding Agent

### DESCRIPTION

EPOXY BASE BONDING AGENT is a two-component epoxy system, which is an adhesive for internal or external bonding or renderings.

- ✓ High bond strength.
- ✓ Granolithic topping.
- ✓ Ultimate bond strength is greater than the tensile strength of concrete.
- ✓ Does not shrink and provides an even stress-free bond.
- ✓ Surface tolerant.
- ✓ Moisture tolerant.
- ✓ Chemical resistant.

### RECOMMENDED USE

EPOXY BASE BONDING AGENT is recommended for bonding of:

- ✓ Old to new concrete.
- ✓ Repair mortar to concrete or mortar.
- ✓ Grout bonding with existing surfaces.

### ADMIXTURES

- SPECIAL ADMIXTURES
- SURFACE IMPROVEMENT
- GROUTS
- WATERPROOFING
- FLOORING
- INDUSTRIAL COATINGS
- JOINT SEALANTS
- REPAIR/CRACK INJECTION
- DECORATIVE FLOORING
- FIRE RETARDER COATING

### TECHNICAL DATA

| TYPE                                                                                           | EPOXY BASE BONDING AGENT                                                                |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Aspect                                                                                         | Viscous dispersion                                                                      |
| Mixed density                                                                                  | 1.4 ± 0.1 kg/liter                                                                      |
| Mixed Viscosity                                                                                | 2450 ± 500 cps @ 25°C                                                                   |
| Pot life (500g) ( 30°C)                                                                        | 35 (Base) / 17 (Hardener)                                                               |
| Service temperature                                                                            | 25 MPa at 7 Days<br>(2.5 Mpa at 3 Days)                                                 |
| Adhesive bond strength to concrete (Cube 50x50x50 mm) (28 Days at 30°C)                        | (Concrete to Concrete)<br>15 MPa at 28 Days<br>(Concrete to Steel)<br>14 MPa at 28 Days |
| Pull off                                                                                       | (Concrete Failure)<br>> 2.0 N/mm <sup>2</sup>                                           |
| Overlay time (Open time)                                                                       | 1 hour at 35°C<br>2 hours at 30°C<br>3 hours at 25°C<br>8 hours at 20°C                 |
| Setting time                                                                                   | 150 minutes at 25°C                                                                     |
| Full cure                                                                                      | 7 days                                                                                  |
| All test values are average values derived under normal climatic conditions. (30°C / 50% R.H.) |                                                                                         |