



## **EPOXY MORTAR**

### **GAP FILLING EPOXY PASTE ADHESIVE FOR CIVIL ENGINEERING USE**

EPOXY MORTAR is specially formulated non-sag epoxy filling paste and adhesive. This easy to use two-part epoxy product sets after mixing, with excellent properties ideally suited for the following applications.

#### **FILLING AND REPAIR**

Concrete Pipes and Tanks  
Concrete floors and stairs  
Concrete columns  
Insitu formed concrete

#### **ADVANTAGES**

Simple 1:1 mix ratio  
Creamy texture, blends easily  
Non sag on vertical surfaces  
Rapid setting  
Adheres and cures under adverse conditions (cold and damp)  
Good strength retention after prolonged immersion in water  
Tensile and compressive strength superior to concrete  
Very good chemical resistance

### **PRODUCT SPECIFICATION**

|             | <b><u>PART "A"</u></b> | <b><u>PART "B"</u></b> |
|-------------|------------------------|------------------------|
| Consistency | Thixotropic paste      | Thixotropic paste      |
| Colour      | Neutral                | White                  |
| Flash Point | Above 100°C            | Above 100°C            |

## SURFACE PREPARATION

### METALS:

Should be grit blasted to clean surface. Mechanically abraded and degreased.

### CONCRETE:

Surface should be free from grease and oil. If necessary, clean with industrial grade degreasing agent. Once clean, steps must be taken to remove laitence; this is best done by using :

### MECHANICAL ABRASION:

Acid etching - concentrated hydrochloric acid (muriatic acid) 1:1 with water, and spreading 0.5 litre of this mixture to each square metre. After the reaction has ceased (about 10 minutes) the area is thoroughly washed and scrubbed with a stiff bristled broom to remove loose sand and allowed to dry for 24 hours.

## PROCESSING DATA

|                                  |   |
|----------------------------------|---|
| Mixing Ratio:                    | 1 part resin to 1 part hardener by volume |
| Mixing:                          | Mix until uniform grey                    |
| Working life at 25°C:            | 45 minutes                                |
| Minimum application temperature: | 15°C                                      |
| Minimum Cure Time:               | 12 hours at 25°C                          |
| Full Cure Time:                  | 4 days at 25°C                            |

## IMPORTANT INFORMATION

It is essential that the correct mixing ratio be used and that the Part "A" and Part "B" are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.