

- C. Bonding agents and ancillary products shall be as recommended by the manufacturer, unless otherwise directed by the Engineer.
- D. Epoxy fillers shall meet the requirements of ASTM C 881: Type 1 Grade 3 Classes B & C.

13.2.3 Epoxy Repair Mortars

- A. Epoxy or other chemical repair mortars shall be manufactured in pre-measured components for easy site mixing.
- B. Bonding agents and ancillary products shall be as recommended by the manufacturer, unless otherwise directed by the Engineer.
- C. The Epoxy Mortar shall have the following characteristics:
 - 1. Non-toxic.
 - 2. Suitable for use in hot climates.
 - 3. Minimum compressive strength of 50 N/mm² at 7 days.
 - 4. Approximate pot life of 45 min. at 40°C.

13.2.4 Cementitious Repair Mortars

- A. Cementitious repair mortars shall be special purpose pre-bagged polymer modified mortars requiring only the addition of water at site.
- B. Cementitious repair mortars shall have the following characteristics:
 - 1. Single component polymer modified.
 - 2. Shrinkage compensated.
 - 3. High build mortar free of chlorides and nitrate ion.
 - 4. Min. Compressive strength: 45 N/mm² at 28 days (BS 6319 Pt. 7).
 - 5. Water permeability when tested to DIN 1048 shall not exceed 10 mm.
 - 6. Of alkaline nature, thus passive and non-corrosive to steel.
- C. Bonding agents and ancillary materials shall be as recommended by the repair material manufacturer, unless otherwise directed by the Engineer.

13.2.5 Rapid Setting Mortars

- A. Rapid Setting mortars for temporarily plugging leaks in running water shall be special purpose pre-bagged cementitious mortars requiring only the addition of water at site.