

- C. If the concrete repairs are found to be defective during the warranty period, the manufacturer and Contractor shall replace and/or repair the concrete to the satisfaction of the Engineer.

9.2 Part 2 Products

9.2.1 Epoxy Fillers

- A. Epoxy fillers shall be two component solvent free epoxy resin compounds, suitable for repair of small activities, pinholes, offsets or imperfections.
- B. All fillers shall be special purpose products manufactured in premeasured quantities for easy site mixing.
- 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 C881, Type 1, Grade 3, classes B and C.

9.2.2 Epoxy Repair Mortar

- A. Epoxy repair mortar shall be a two-part epoxy resin mortar suitable for use in the climatic conditions prevailing in Abu Dhabi with regard to pot life, useable life of freshly mixed components and curing.
- B. Mortar shall be packaged in pre-measured quantities for easy site mixing.
- C. Bonding agents and ancillary materials shall be as recommended by the manufacturer.
- D. Mortar shall have a minimum compressive strength of 50N/mm² at 7 days when tested in accordance with BS 6319-2.
- E.
- F. Mortar shall have a minimum tensile strength of 10N/mm² at 7 days when tested in accordance with BS 6319-7.
- G. Mortar shall have a rapid chloride penetration of 1000 coulombs maximum when tested in accordance with ASTM C1202.

9.2.3 Cementitious Repair Mortar

- A. Cementitious repair mortar shall be a single component general purpose concrete reinstatement mortar exhibiting the following characteristics.
- B. Low permeability to provide good protection against carbon dioxide and chloride penetration.
- C. Excellent bond to the concrete substrate.
- D. Shrinkage compensated.
- E. Pre bagged to overcome site batched variations requiring only the site addition of