

properties given in Table 9-4 below.

Table 9-4:- Epoxy Lining Mortar Properties

Property	Test Method	Value
Compressive strength	BS 6319-2	70 N/mm ²
Flexural strength	BS 6319-3	28 N/mm ²
Tensile strength	BS 6319-7	12 N/mm ²
Density	-	1750 kg/m ³

9.2.9 Concrete Coating Systems

- A. Coating systems for concrete shall comply with the requirements of Section 03600 of the specification.

9.2.10 Reinforcement

- A. Reinforcement shall comply with the requirements of Section 03200 of the specification.

9.2.11 Coating to Reinforcement

- A. Coating to reinforcement shall be a single component zinc epoxy primer meeting the requirements of BS 4652 Type 2 with a minimum zinc content of 85% dry film.

9.2.12 Epoxy Crack Injection Resins

- A. Epoxy crack injection resins shall be two part epoxy resins suitable for use in the climatic conditions prevailing in Abu Dhabi with regard to pot life and curing and shall be generally used for structural repairs
- B. The resin and hardener shall be pre-packaged.
- C. Resins shall have a minimum compressive strength of 70 N/mm² at 7 days when tested in accordance with BS 6319-2.

9.2.13 Polyester Crack Injection Resins

- A. Polyester crack injection resins shall be two part polyester resins suitable for use in the climatic conditions prevailing in Abu Dhabi with regard to pot life and curing and shall generally be used for stopping water leakage.
- B. The resin and catalyst shall be pre-packaged.
- C. The end product shall be a foam, gel or solid according to the specific repair requirement as agreed by the Engineer.

9.3 Part 3 Execution

9.3.1 Condition Survey