

related site works.

All concrete shall have been saw cut all round, chipped down to remove defective or contaminated concrete and thoroughly cleaned by high-pressure air blast prior to mortar application.

Rebar shall have been repaired or placed as directed by the Engineer.

All components must be fully mixed according to the manufacturer's recommendations.

B. Primer

1. Primer shall be utilized, if recommended by the epoxy mortar manufacturer.
2. Mixing and application shall be as recommend by the manufacturer.

C. Mortar Application

1. Mortar application shall be according to the manufacturer's recommendations.
2. All cavities shall be fully filled to the pre-existing surface level and trowelled to a smooth finish.

13.3.13 Application of cementitious Mortars

A. Prior to start the repairs, and in view of prequalifying the proposed repair mortar system, The Contractor shall apply this method over three representative areas selected by the Engineer:

1. 3 cubes from each area shall be prepared and crushed for determination of their compressive strength (BS 1881/BS 4550)
2. The contractor shall carry out penetration test in accordance to DIN 1048
3. From each area, three pull out tests shall be performed by the Contractor to determine the bonding strength between the old concrete and the mortar.
4. The rehabilitation works cannot start unless the above prequalification tests are successful and to the satisfaction of the Engineer.
5. The repair mortar system is subject to the approval of the Engineer prior to any related site works.

B. All concrete shall have been saw cut all around, chipped down to remove defective or contaminated concrete and thoroughly cleaned by high-pressure air blast just prior to mortar application.

C. Rebar shall have been repaired or placed as directed by the Engineer.