

- approved by the Engineer. Exhausted abrasive shall be bagged up and removed from site.
8. Equipment shall be capable of delivering abrasives at a nozzle pressure sufficient to achieve the standard of cleaning specified above and the air supply shall be free of entrained oil and water.
 9. All reinforcement shall be adequately fixed and tied in position such that it will not be displaced during the repair process. The clear distance between newly placed reinforcement and existing reinforcement shall be 35mm for shotcrete applications.
 10. All sand blasted areas shall be washed with high pressure washing and dried prior to coating of reinforcement.
 11. Reinforcement in the repair area shall be primed using a single component zinc rich epoxy resin, which shall be an active type capable of avoiding the generation of incipient anodes and shall be fully compatible with the repair material. The reinforcement shall be in surface condition SA2½ at the time of application of the primer. Any reinforcement not meeting this standard shall be reblasted before the protective system is applied.
 12. The number of coats, time between coats, mixing and application of the reinforcement protective system shall all be in accordance with the manufacturer's instructions.
 13. Damaged epoxy coated reinforcement shall be repaired in accordance with the epoxy coating manufacturers recommendations.
 14. Concrete repair shall not proceed until 7 days have elapsed after the application of the zinc rich primer or epoxy coating repair.

9.3.6 Concrete Repair General Requirements

- A. The Contractor shall ensure that the ambient conditions are suitable for the application of the repair materials. The suitability of ambient conditions during application are either stipulated for the generic class of materials or is dependent on the manufacturer's statements. The Contractor shall submit the relevant information in each case. Bonding polymers shall be used in bonding new cementitious products to old matured concrete. Bonding polymers must be suitable for external environments. The polymer must be un-saponifiable if embedded or laid on concrete surfaces.
- B. Where breaking out of concrete is not required the surface to be repaired shall be roughened and any laitance removed by sand blasting.
- C. All surfaces to receive repair material shall be clean and free from dust, unsound or contaminated material, oil, paint, grease, corrosion deposits and algae.