

creating a reservation recess in concrete.

- b) Sealing the liquid infiltration with rapid setting mortars.
- c) Fixing of flexible sheeting with epoxy resin adhesive, which allows joint sealing and movement of joints in more than one direction. This sheet shall be minimum 2mm thick and a 25cm width.
- d) Filling the joint with Sealant.
- e) Reinstatement of the concrete with approved repair materials.

2. Above liquid level

- a) The repair method of paragraph 1 above is to be applied excluding items b & c and as follows:
 - Breaking the defective concrete from each side of the expansion joints, and creating a reservation recess in concrete.
 - Filling the joint with sealant as may be required by the Engineer.
 - Reinstatement of the concrete with approved repair materials.
- b) In case a certain concrete area is to be completely replaced, then the Contractor shall:
 - Construct the expansion joints in good manner as originally existing and as may be directed by the Engineer.
 - Fill the joints with suitable joint filler to the approval of the Engineer.
 - Seal the new joints with sealant as may be required by the Engineer.

- B. In case of steel corrosion at sides of expansion joints, treatment as specified in the relevant sections should be done.

13.3.4 Crack Injection

- A. The injection shall be made in strict accordance with the manufacturer's recommendations.
- B. The works shall be carried out by a qualified applicator approved by the material manufacturer and the Engineer.
- C. The Contractor shall treat the leakage areas (under moisture condition) with injection.
- D. Based on a diagnosis, the method statement of treatment should be set up by the product Company or by an approved Agent.