METHOD STATEMENT
CEMENT SLURRY INJECTION FOR FILLING VOID WITH INTRAPLAST® Z HV
SIKA LIMITED (VIETNAM)
1 SCOPE

- Injection of cement-water-expansive additive slurry in concrete structures cavities and large cracks.

2 INJECTION PREPARATION

- 6 mm holes must be drilled along the crack path at 300mm centres. The holes must be positioned to follow the crack and deep enough to receive the ‘metal pipe sleeves’ (approx. 20mm).
- Insert ‘metal pipe sleeves’ into all the holes and fix into position using Sika 102 waterplug.
- Mechanically clean the concrete surface adjacent to the crack with a wire brush or sandpaper.
- Wipe down the concrete with a clean rag to remove any dust and loosely adhering particles.
- The cleaned surface is then sealed using Sika 102 applied by a spatula or trowel.

3 CRACK INJECTION

- Following the curing of the Sika 102 the grout injection can commence.
- Starting from one side or the lowest point of the crack the injection pump is screwed into the first pipe sleeve and the following grout mix is injected into the crack until the grout is seen to ooze from the adjacent pipe sleeve, this pipe sleeve’s valve is then sealed and so on. This procedure is continued in the sequence indicated until all have been completed.
  Grout Mix:  
  - 50 kg cement
  - 500 g Sika Intraplast Z-HV
  - 19 litres of water (W/C = 0.38)
- Beginning at the first sleeve filled, the injection pump is reconnected and primed to check for incomplete filling. This checking process is continued along the crack until all have been checked.
- After a curing time of 12 hours the sleeves are trimmed off with an angle grinder or other suitable equipment.
LEGAL NOTE

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