METHOD STATEMENT
SIKADUR®-752
CRACKS REPAIR FOR CONCRETE SLAB

SIKA LIMITED (VIETNAM)
1. **REQUIREMENT**
   - Repair dead cracks on concrete slab, maximum width is 5 mm.

2. **BUILD-UP SYSTEM**
   - Material:
     - **Sikadur®-731**: 2-component epoxy-based mortar.
     - **Sikadur®-752**: is a solvent-free, low viscosity injection-liquid, base on high strength epoxy resins. After mixing, it is injected into cavities and cracks in concrete where it cures to a rigid high strength material.

3. **APPLICATION**
   - **Step 1: Investigation of cracks**
     Using crack width indicator to check crack lines carefully: width, length, depth of cracks. Making if necessary.
     ![Checking cracks by crack width indicator](image)
     - **Step 2: Surface preparation**
     Using grinding machine and cut V shape along crack lines and clean by brush or mechanical method such as air compressor.
     ![Grinding along crack line](image)  ![Cleaning crack line by steel brush](image)
• **Step 3: Sealing cracks by Sikadur®-731 and installing plastic bowl of cylinder into crack lines**
  - Filling **Sikadur®-731** along crack lines and marking positions where will be fixed plastic bowls (distance of plastic bowls is approx. of 15-30 cm).
  - Using **Sikadur®-731** to fix plastic bowls onto marked positions.

![Sealing cracks by Sikadur®-731 and installing plastic bowl of cylinder into crack lines](image)

• **Step 4: Injection of Sikadur®-752**
  - After **Sikadur®-731** is full cured (at least after 12 hours, at 30°C), mixing part A and part B of **Sikadur®-752** according to Product Data Sheet.
  - Sucking of **Sikadur®-752** to the cylinder and attach to the first plastic bowl. Inject slowly epoxy **Sikadur®-752** until all is injected.
  - Attach the second cylinder (full of **Sikadur®-752**) to the first plastic bowl. Inject slowly until cannot inject anymore. Keep this cylinder. Using rubber band to increase the pressure.
  - Attach a cylinder (full of **Sikadur®-752**) to the next plastic bowl and repeat all procedures until all cracks are filled up by **Sikadur®-752**.

![Injection tools: cylinders, plastic bowls, rubber bands](image) ![Fixing of cylinders and injection of Sikadur®-752](image)
Step 6: Completion

After finish of injection, clean all tools and remove plastic bowls. Grinding Sikadur®-731 on top concrete slab to make good surface.

Notes:

- Make sample on small area before application at all.
- Refer to Product Data Sheet and contact Sika Technical Department to make good quality.

LEGAL NOTE

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