



METHOD STATEMENT

SIKADUR[®]-752

CRACKS REPAIR FOR CONCRETE SLAB

SIKA LIMITED (VIETNAM)

BUILDING TRUST



1. REQUIREMENT

- Repair dead cracks on concrete slab, maximum width is 5 mm.

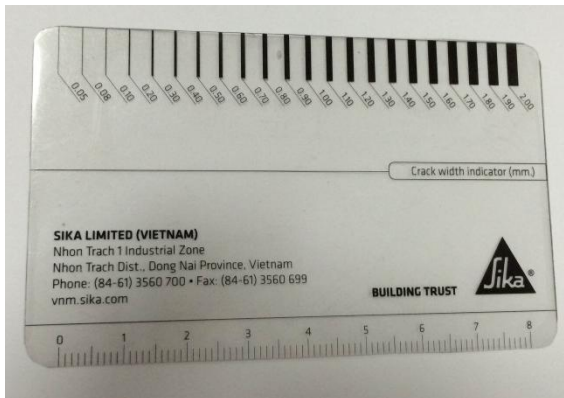
2. BUILD-UP SYSTEM

- 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

• 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.

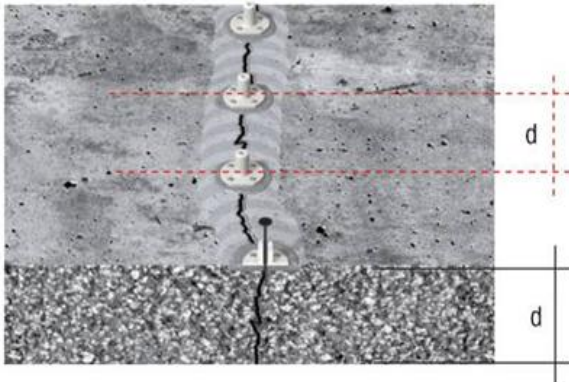


Grinding along crack line



Cleaning crack line by steel brush

- **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 aprox. of 15-30 cm).
 - Using **Sikadur®-731** to fix plastic bowls onto marked positions.



Sealing cracks by **Sikadur®-731** and fixing plastic bowls onto crack lines

- **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



Fixing of cylinders and injection of **Sikadur®-752**

- **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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Sikadur®-752
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