# Hard Rock Advice Crack Repair Materials

Job: Concrete Crack Repair

There are multiple materials that can be used to repair concrete depending on the type of concrete and where the crack is.

#### **PREPARATION**

removed and crack should be clean - free of spalled area. grease, oil, paint, dirt and any other foreign material that may impede the bonding and MATERIAL NEEDED impede performance of repair material being Matchcrete Clear(50ml or 600ml cartridges), used.

This repair should be done before sealing of the concrete (unless otherwise stated).

Concrete temperature and ambient temperature should be above 10°C for 24 hours **APPLICATION** after application of repair material.

## **BROOM FINISHED CONCRETE - (Small to** medium crack)

#### MATERIAL NEEDED

bottle with water

#### **APPLICATION**

Pour dry material into crack. Brush off any excess material. Lightly mist with water and let dry. Repeat this process 3-4 times. Allow product to dry 24 - 72 hours before driving on it.

Concrete may then be sealed.

Cost Estimate: - approximately \$ 1.00/ lineal foot or less depending on depth and width of crack.

#### EXPOSED CONCRETE **STAMPED** All loose or unbounded concrete should be CONCRETE - (Small to medium crack or

Applicator appropriate to size of cartridge, small amount of sand, concrete powder or rock as needed. (In the case of stamped concrete pigment may also be used with the sand to help air match colour).

This crack repair material is very runny like water. If the crack is wide or deep, put sand in crack. This will have 2 benefits. It will allow you to use less material because the crack is already full, and it will slow the migration of the repair material through the sand and stop some Magic Crack Repair, Small Brush, Small Spray of the pooling of the material under the concrete. This material will be shiny. While Matchcrete Clear is still wet a small amount of concrete powder or sand may be sprinkled on the wet product to help the crack blend in.

> In the case of rocks missing from the surface, place a small amount of the Matchcrete clear into the area being repaired. Place rocks and place more Matchcrete clear over top of the rock.

#### 10 Minute Concrete Mender

This crack repair material is very similar to the Matchcrete Clear. It should be used indoors only, sets in 10 minutes and is gray in colour.



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## **WALL CRACKS (VERTICAL)**

### MATERIAL NEEDED

Sika Crack Repair Kit (has all materials MATERIAL NEEDED necessary to complete the repair), Caulking Sika Self-Levelling Joint Filler, Caulking gun, gun

#### **APPLICATION**

Injection ports are cemented on approximately If this crack has material in it (Expansion Joint), Material to seal the outside of the crack as well.

Once set, injection can begin. Begin filling of the crack through the bottom most port. Continue filling that port till material starts coming out of the port above. Cap the port and move to the next port from the bottom. Continue until crack is completely full. Let material dry 24 hours. Then ports may be removed. Patching of where ports were used, may be patched

#### CONTROL **JOINTS** AND CRACKS BETWEEN PADS, WALLS AND STAIRS

Backer rod

### **APPLICATION**

every 8 to 10 inches along the crack with the you can just apply this material on top of that. If use of the Sikaset Plug material. Use the Plug not, you may need to insert some Backer rod into the crack first.

> The backer rod should be 1/4" thicker that the crack so that you can firmly place it into the crack and it will span the crack. Backer Rod should be placed approximately 1/4" below the surface of the concrete.

> Sika self-levelling joint filler can then be dispensed into the crack at 1/4" thickness.