

# Power Self-Healing Concrete Crack Repair



POWER-HEALING CONCRETE

## PowerJet for Deep Crack Injection

Clean Crack Repair

Cost Effective

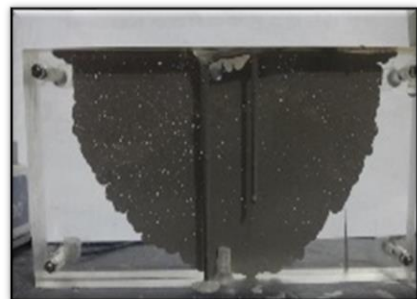
Natural Concrete Repair Appearance



**PowerJet** is designed for the repair of wide and deep cracks in concrete. It is a mixture of inorganic and organic compounds so that the cracks are filled with natural cementitious grout.

The inorganic material has a higher level of fire/heat resistance and stronger bonding properties than other inorganic crack sealers in the market. It can be injected by a conventional pressure injector.

Repair Conditions	
Crack width	Wider than 0.3 mm
Crack Condition	Dry or Moist
Injection Depth	Approx. 200mm deep for 0.2 mm wide crack



Injection Depth (200 mm)

### Material Properties at 28<sup>th</sup> day

Compressive Strength (MPa)	Bending Strength (MPa)	Bonding Strength (MMa)
28	5.2	3.1



Spring Loaded Pressure Injector



Hand Pump for Injection

# PowerJet for Dry Crack Injection

## Package

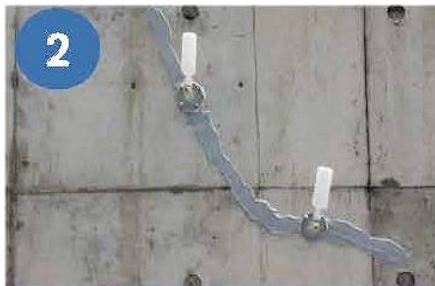


Product	Package
Self-Healing Powder	400g x 2
Liquid	300g x 2

## Application Procedure



1 After measure the crack width, attach the packers with epoxy resin at approx. 200 mm spacing.



2 Seal the cracks on surface using quick-set epoxy or hydrated cement.



3 Mixing PowerJet powder with the resin inside the hand pump injector.



4 Inject PowerJet into the crack



5 After Power Jet cures in 1 to 2 days, remove the packers and epoxy on the surface using power grinder.



- Do not mix water or additional powder. It is accurately weighted in each bag for proper mix ratio.
- When it stores for a long time, precipitation may occur in the liquid bag. However, it has nothing to do with its performance. Just shake well before use.
- Do not drink the liquid. If happens, vomit it and then obtain medical attention.

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