

ROCKMAX EI

LOW VISCOSITY TWO PART EPOXY RESIN INJECTION

GENERAL INSTALLATION

INTRODUCTION

Rockmax EI is two part epoxy based injection low viscosity, high strength, good bonding to concrete, easy application. Use for fill void and crack in concrete structure.

TOOLS & EQUIPMENTS (GENERAL)

- 1) Pressure injection machine (Pic 1)
- 2) Plastic packers (Pic 2)
- 3) Plastic pail
- 4) Steel trowel



Pic 1



Pic 2



PREPARATION

Inspect and measure the width of the crack. Clean and remove all debris, dust, cement paste, loose particles, existing sealants and other contaminants along the crack line. Use Compressed air equipment to remove all dust deep inside the crack line. Crack must be dead crack and not subject to high temperature environment. If crack was subjected to movement other sealing product must be consider ie polyurethane gel injection system please consult Rockmax for more information.

APPLICATION

Install injection plastic port with epoxy adhesive along the line of crack approximate 150-300mm spacing depend on width of crack. Ensure the injection port firmly installed and no objected material inside.

Apply epoxy adhesive on the surface of crack line as shown in the picture. Wait until epoxy adhesive dry and cure (approximate 8 hours)

Mix the part A and part B by hand for 2 minute until homogeneous. Pour the epoxy resin to the bucket ready for inject. Start pump epoxy resin thru the injection port from bottom to top. Wait until the resin free flow to next port. Move to the next port and start pump again with the same procedure until all injection port was injected. Redo from the beginning port again to make sure epoxy resin fulfill all the crack line inside concrete structure.

Remove all the injection ports and grind epoxy paste to receive smooth surface. Clean injection pump by thinner or solvent immediately after finished.

CLEANING

Clean all tools and equipments with thinner.