

MITON 518 INJECTION COMPOUND

DESCRIPTION:

MITON 518 INJECTION EPOXY COMPOUND has a low viscosity of 600 cp with pot life of 7 to 8 hours and good wettability, with a good penetration HP (High Penetration), the maximum penetration in both cement and various sands.

OUTSTANDING FEATURES:

518 crack injection compounds exhibit certain characteristics among which are low viscosity, ability to cure in cool and damp conditions and good compressive shear and tensile strengths. Typically viscosity is less than 600 cp (Centipoises).

USES:

518 INJECTION EPOXY is widely used in the repair and rehabilitation of concrete structures. The effectiveness of this injection epoxy is largely dependent on the ability to penetrate cracks. The long pot life, low viscosity, wettability, provide the optimum results for crack penetration and rebonding of reinforcing steel.

APPLICATION:

The compound should be injected at low pressure using a slow setting method. Either way the crack must be sealed first to contain the injection compound. After the compound has set, the seal coat may be sanded down to make a smooth surface. We have improved the compound penetration into cracks with a special addition. However, along with the reduction in viscosity, the cure time is extended.

STORAGE:

Normal room temperature.

SAFETY:

Avoid contact with eyes, skin and clothing. Protective clothing, gloves & goggles are recommended. Contains an amine element which could be harmful with prolonged contact. Harmful If swallowed. If contact made in the eyes, flush with lots of clean water and seek physician's attention immediately. In case of skin contact, wash promptly with soap and water.



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PACKAGING:

6 Litre kits.

RATIO:

2 to 1 (2 Parts Resin, 1 Part Hardener).

PHYSICAL PROPERTIES:

SHELF LIFE:	1 Year.
TEMPERATURE:	73.4°F and 50% relative humidity.
RATIO:	2 Parts resin by volume with 1 part hardener by volume.
COLOUR:	Amber
VISCOSITY:	approx. 170 cps
POT LIFE:	25-30 minutes
TACK-FREE:	4-5 Hours
FINAL CURE ASTM D-695:	2 Days

28 Day compressive strength ASTM D-695:	60 MPa
28 Day modulus of elasticity ASTM D-695:	1.8 GPa
14 Day tensile strength ASTM D-638:	38 MPa
14 Day tensile elongation ASTM D-638:	3.8%
14 Day shear strength ASTM D-732:	30 MPa

GUARANTEE:

MITON PRODUCTS are guaranteed 100% when used according to the manufacturer's specifications. Product application and surface conditions are beyond the manufacturer's control. Liability, if any, is limited to replacement of this product only.

Buyer assumes all risk in use and handling.



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