



CL – EPOGROUT EG717SF / UW EG717SF HIGH STRENGTH EPOXY INJECTION GROUT

DESCRIPTION

CL – EPOGROUT EG717SF is a low viscosity 2-part epoxy injection grout for sealing fine cracks and cavities in concrete. Maximum width of cracks to be injected is 5mm and minimum is approximately 0.3mm.

Underwater grade **CL-EPOGROUT UW EG717SF** is also available. This specially formulated underwater grade is a 2-part fast setting epoxy grout that able to cure at dry, wet and under water condition. It can be used to seal cracks of 0.5mm to 40mm that are not conducting a water flow under pressure.

These epoxy grout materials showed good penetration properties and with its high mechanical strength, chemical resistance and excellent adhesion offers as a superior substitution to polyurethane grout for crack repair.

FIXES

Suitable for repairing cracked concrete, jointing of concrete, filling of hollowness and void, grouting of bolts, anchors, bars etc. and consolidation of friable rocks and stones.

FEATURES

- Low viscosity that gives good injection and penetration properties
- Solvent free and low odor
- Excellent bonding and compressive strength
- Shrinkage free after hardening

TECHNICAL INFORMATION

	CL-EPOGROUT EG717SF	CL-EPOGROUT UW EG717SF
Viscosity after mixed @ 25°C, cps	≤ 350	≤ 350
Pot Life, 150g @ 25°C, mins	~ 40	~ 30
Gel Time, 120g @ 25°C, mins	~ 70	~ 35
Drying Time @120g, hours	~ 9	~ 8
Full Cure, day	7	7
Peak Exothermic Temperature @120g, °C	~ 80	~ 120
Tensile Strength, N/mm ²	≥ 20	≥ 20
Compressive Strength @7day, N/mm ²	≥ 75	≥ 60
Flexural Strength @7day, N/mm ²	≥ 50	≥ 40
Adhesion Strength @7day, N/mm ²	≥ 2.0 (concrete failure)	≥ 2.0 (concrete failure)
Shore D Hardness @ 7day, N/mm ²	≥ 70	≥ 75
Application Temperature, °C	min +10 max +35	min +10 max +35

COLOUR

Transparent yellowish to amber colour.

PACKING

Available in 2 types of packing:

- 3 kg set : Part A = 2 kg; Part B = 1 kg
- 15 kg set: Part A = 10 kg; Part B = 5 kg

MIXING

Mix Part A and Part B in the ratio of 2:1 using slow speed stirrer until homogenous. Do not mix more than the quantity that can be used within the specified pot life. Do not pour the mixture back to the container.

SURFACE PREPARATION AND APPLICATION

A. Horizontal Floor

- Drill holes at alternating side along the crack or joint, about 70 to 100 mm away from crack, at depth of half the thickness of the concrete slab or until hollowness space detected, and at 45 degree in order that the path of the crack or joint intersected in the concrete slab. Distance between holes depends on the gap width of the crack or joint, typically at 200 to 250 mm.
- Clean drilled holes thoroughly with compressed air blower or vacuum. Insert mechanical packers or injection port into the holes and tighten well. Inject Epoxy Injection Grout mixture by injection pump or gravity flow through mechanical packers / injection port till fully compact. Injection commences from either end.
- Remove all mechanical packers when Epoxy Injection Grout is hardened, usually about 1 day. Seal all holes with CL-EPOSEAL ES777SF or CL-Non Shrink Grout or CL-Rapid Repair.

B. Vertical structure and overhead slab

- Drill holes along the crack at 200-250 mm apart. Clean drilled holes thoroughly with compressed air blower or vacuum. Set injection ports or packers into the holes. Seal the crack and surrounding of injection ports / packers with epoxy adhesive CL-EPOSEAL ES777SF. Wait for the adhesive to harden usually about 1 day.
- Inject the Epoxy Injection Grout by a high-pressured mechanical grout pump or electrical grout pump to the crack or joint through the mechanical packers till fully compact. Injection commences from the lowest inlet toward top inlet of packer for vertical crack, whereas for overhead slab crack or joint, injection commence from either end.
- Remove all packers when Epoxy Injection Grout is hardened usually about 1 day. Seal all holes with CL-EPOSEAL ES777SF or light weight repair mortar CL-Repair Mortar LW108.

TOOLS CLEANING

All tools and equipment should be cleaned with general purpose thinner immediately after use.

SHELF LIFE

2 years when stored in a cool and dry place, sealed in an unopened container.

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Disclaimer: Specification are subject to change without notification.



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