MC-DUR SK50

High-Flow, Low-exotherm Epoxy Grout

Product Properties

- Excellent adhesion to concretes
- High physical properties
- Free flowing with hydrostatic head pressure
- Fast and easy installation
- Good chemical resistance to a wide range of chemicals

Areas of Application

- Grouting of voids under machinery and plant
- Economical leveling screed for damaged concrete
- Repairs of Jetties. Slab and foundations
- Repairs to restricted access areas

Application

Substrate

Suitable substrates are concrete, polymer modified concrete or steel. The substrate should have a tensile strength of at least 5 N/mm² for concrete when measured according to a recognized national standard. The substrate must be free from standing water.

The substrate must be clean and free from dust and loose particles. All traces of contamination e.g. oils and chemicals must be removed. Steel should be prepared by shot blasting to remove rust, oil and grease.

Preparation

Formwork must be constructed prior to the mixing of the Epoxy Grout. Form work should be of smooth very surface for ease of form work removal and to prevent the Epoxy Grout from bonding to the form work.

Hydrostatic pressure is provided by the hopper, this ensures the optimum conditions for the MC-DUR SK50 to flow and grout all voids.

Application of MC-DUR SK50

All components are pre-weighed for optimum performance and complete units should always be mixed. Empty all of the contents of Part B into the Part A. Mix with a slow speed drill and paddle until uniform. Normally 1-2mins. Then add Part C and mix for 2 - 3 mins.

The uniform material is then divided into equal units and then poured immediately into the hopper to create a hydrostatic pressure condition and then allow the grout to freely, flow into the required area.

MC-DUR SK50 should only be applied from one side of the formwork to prevent air entrapment. Ensure sufficient MC-DUR SK50 in order to fill the hopper and completely grout the area.

Flow Properties

1 kg of MC-DUR SK50 at 30°C with a hydrostatic head of 50 mm has flow dimensions of 250 mm x 200 mm in 3 mins with obstructions.

Cleaning

Cleaning with MC-Cleaning Solvent EP, using brushes and wearing correct safety equipment.

BE SURE. BUILD SURE.

Technical Data for MC-DUR SK50

Characteristics	Unit	Value	Comments
Compressive Strength (ASTM C 579)	N/mm²	>95	7 days
Flexural Strength (DIN EN 196)	N/mm²	30	7 days
Tensile Strength (ASTM C 307)	N/mm²	>10	7 days
Linear Shrinkage (ASTM C 531)	%	0.01 0.06 0.07	3 days 7 days 14 days
Flow Properties	mm	min.220	Flow Spread BS cone
Density	kg/dm³	2.0	mixed
Pot Life	minutes	~30	at 25 °C
Coverage	kg/m²/mm	~2.0	

Product Characteristics for MC-DUR SK50

Components	Part A : Resin (3.09kg) Part B : Hardener (0.91 kg) Part C : Powder (16 kg)
Colour	Grey
Delivery	20 kg pack (3 components)
Storage	Can be stored in shaded, cool and dry conditions in original unopened packs. Part A & B (***12 months***) Part C (***12 months***)
Disposal	In the interest of the environment, please empty all packs completely and dispose of in accordance with statutory regulations.

Safety Advice
Please take notice of the safety information and advice given on the packaging labels and safety information sheets.

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