

# 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, slabs and foundations.
- Repairs to restricted access areas.

### APPLICATION NOTE:

- **Substrate preparation:**
  - Suitable substrates are concrete, polymer modified concrete or steel. The substrate should have a tensile strength of at least 1.5 N/mm<sup>2</sup> 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.
- **Application:**
  - **MC-DUR SK50** must be applied at temperatures between 18 and 38°C. The material must be stored at this temperature for at least 24 hours before use.
  - 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 1-2 mins. 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:** Excellent flexibility resulting in good flowability.
- **Cleaning:** Clean with MC-Thinner EP, using a brush and appropriate safety equipment.

## TECHNICAL DATA:

Characteristic	Unit	Value	Comment
Compressive Strength (7 days)	N/mm <sup>2</sup>	> 90	ASTM C349-18
Flexural Strength (7 days)	N/mm <sup>2</sup>	30	ASTM C349-21
Tensile Strength (7 days)	N/mm <sup>2</sup>	> 14	ASTM C307-18
Linear Shrinkage:			
- 3 days	%	0.01	ASTM C531
- 7 days		0.06	
- 14 days		0.07	
Flow Properties	mm	min.160	TCVN 9204:2012
Density	kg/dm <sup>3</sup>	2.08	mixture
Pot life	minutes	~30	at 25°C
Coverage	kg/m <sup>2</sup> /mm	~2.08	

## PRODUCT CHARACTERISTICS:

<b>Colour (mixture)</b>	Grey.
<b>Delivery</b>	19.6 kg per pack, includes 3 components: - Component A: Resin (2.7kg) - Component B: Hardener (0.9kg) - Component C: Powder (16kg)
<b>Shelf-life</b>	Component A & component B: <b>12 months.</b> Component C: <b>6 months.</b>
<b>Storage</b>	Can be stored in shaded, cool and dry conditions in original unopened packs.
<b>Disposal</b>	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.

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition **02/2026**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.