# MC-REP 3000

## Fairing Coat Solvent Free Epoxy Mortar

### Product Properties

- Non-shrink, solvent-free product.
- Pre-measured proportions, easy to mix and apply.
- The cured surface exhibits high strength, abrasion, and chemical resistant layer.
- High adhesion to concrete substrates.
- Can be cure under damp conditions.
- Low viscosity, non-sagging, can be easily applied to vertical surfaces.

### Areas of Application

- Crack repairs in structural components, like bridges, columns, beams, foundations, walls, and floor slabs.
- Filling pinholes before overcoating.
- General re-profiling over large areas.

### Application

#### Substrate Preparation

The surface must be clean, sound, free from grease, friable material, curing compound, etc. Dust should be removed by brush or compressed air.
All necessary repairs for wide cracks, degraded concrete, expansion joints, etc. should be made using one of the recommended range of concrete repair products before starting to apply **MC-REP 3000**.

#### Mixing

Stir the hardener and base separately. Empty the hardener content into the base container and mix the two components thoroughly, till a uniform homogeneous paste-like is obtained.
For perfect mixing, a low-speed electric motor attached with a suitable puddle is recommended.

#### Application

Apply the mixed product using a trowel, scraper, or filling knife. **MC-REP 3000** is a thixotropic workable product that makes it easier to obtain a smooth finished surface. Once the applied layer is cured, abrade slightly and clean from dust using compress air before applying an epoxy coating or finishing paint.
**MC-REP 3000** is designed to filling pinholes and to re-profiling and level irregularities in concrete surfaces before applying an epoxy coating system. Application thickness depends on substrate profile. The range of thickness will vary from a feather edge up to a maximum of 5 mm. **MC-REP 3000** fine or coarse should be used for the right application of thickness. For applications greater than 5 mm, please consult with MC Technical Service Department.

#### General Information

Coverage, application time, resistance to traffic, and time until full resistance is achieved are determined by temperature and site conditions.
Minor color variations may occur from batch to batch. Exposure to chemicals and UV-light may cause color changes which generally do not affect the properties and performance of MC coatings. Surfaces subject to mechanical and chemical exposure will show signs of wear and tear. Regular inspections and continuous maintenance are advised.

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## Technical Data for MC-REP 3000

| Characteristic | Unit | Value | Comments |
|---|---|---|---|
| | | MC-REP 3000 | |
| Wet density | Kg. / m³ | 1.6 - 1.65 | |
| Over coating time | After 24 hours | | |
| Pot life | minutes | 60 | at 35 °C |
| Drying time | minutes | 240 | at 35 °C |
| Time until full resistance | days | 7 | at 25 °C |
| Compressive Strength | $N/mm^2$ | 65 | at 7 Days |
| Flexural strength | $N/mm^2$ | 30 | |
| Every 1 $m^2$ will consume between 1.6 to 1.65 kg of MC-REP 3000 at 1 mm thickness using a trowel on a smooth surface. | | | |

## Product Characteristics for MC-REP 3000

| | |
|---|---|
| Colour | Light Grey |
| Delivery | 5Kg packs |
| Cleaning agent | MC-Reinigungsmittel U |
| Storage | The material should be stored in a dry and covered area away from direct sunlight in its tightly closed containers. In these conditions, the material shelf life is 12 months. |

**Safety Advice**
Please take notice of the safety information and advice given on the packaging labels and Material Safety Data Sheets. Refer to chapter “Safety Measures for Handling Coating Materials and Reactive Resins”.
GISCODE: RE



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