

# MonniFinish EF

Fairing Coat Solvent Free Epoxy Mortar (3mm or less)

## Product Description

MonniFinish EF is a solvent free, two components, easily workable epoxy mortar. MonniFinish EF is based on a combination of epoxy resin and specially selected fillers.

MonniFinish EF is suitable to fill and seal cavities and cracks in structural components, up to 3mm wide. It is also used for pin hole filling prior to application of epoxy coating.

## Uses

MonniFinish EF is designed to provide repairs to surfaces in different situations, such as:

- ▶ Crack repairs in structural components, like bridges, industrial structures, columns, beams, foundations, walls and floors slabs
- ▶ Filling pinholes prior to over coating
- ▶ General re-profiling over large areas
- ▶ Dowel bars anchoring
- ▶ Bolt pocket, filling
- ▶ Used as adhesive to fix slip brick to concrete
- ▶ Repair surface defects on steel bridges bearings
- ▶ Used as bedding mortar for bridge beams or steel bridges bearing
- ▶ Used as mortar bedding in manhole chambers
- ▶ General re-profiling over large areas

## Advantages

- ▶ Non shrink, solvent free product
- ▶ High mechanical strength, abrasion and impact resistance
- ▶ High chemical resistance against oils, greases, salt, petroleum and mild acids and alkalis, sewage, ammonia
- ▶ High corrosive resistance
- ▶ Excellent adhesive to concrete substrates
- ▶ Low viscosity, non-slump. Can be easily applied on vertical and overhead surfaces
- ▶ Pre-measured proportions, easy to mix and apply

## Usage Instructions

### Surface Preparation

The substrate 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 start to apply MonniFinish EF.

### 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 is obtained. For perfect mixing, a low speed electric motor attached with a suitable paddle is recommended.

### Application

Apply the mixed product using a trowel, scraper or filling knife. MonniFinish EF is a thixotropic workable product which makes it easier to obtain a smooth finished surface. Once the applied layer is cured, abrade slightly and clean from dust using compressed air before applying epoxy coating or finishing paint.

MonniFinish EF is designed to filling pin holes and to re-profiling and leveling irregularities in concrete surfaces prior to applying any epoxy coating system. Application thickness depends on substrate profile. The range of thickness will vary from feather edge up to a maximum of 3 mm.

### Cleaning

Tools and equipment should be cleaned with SOLVENTE 10 immediately after use. Hardened material should be removed mechanically. Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations.

## Technical Data

Category	Typical Values
Appearance	light grey
Wet Density	1.65 kg/L 25°C
VOC	4.3g/L
Pot life at 25°C	>60 minutes
Compressive strength 7 days (ASTM C579)	60 N / mm <sup>2</sup>
Flexural strength (ASTM C 580)	>18 N / mm <sup>2</sup>
Tensile Strength (BS6319 Pt.7)	>20 N / mm <sup>2</sup>
Over coating time	after 24 hours
Chemical resistance	Resistant to oils, bleach, fats, petrol, sea water, dilute mineral acids and solvents, sewage, urine, sulphur gases, ammonia.

All values are subject to 5-10 % tolerance

## Consumption

0.61 m<sup>2</sup>/kg when applied at 1 mm thickness

## Packaging

MonniFinish EF is supplied in 4.2Ltr per kit

## Shelf Life & Storage

Store in original, unopened pack in covered, dry store. Avoid direct exposure to sunlight. Do not keep in stores with temperature less than +5°C or more than +30°C. It has a shelf life of 12 months if stored as recommended.

## Recommendations

- ▶ Do not use during rainy days or if temperature is less than +5°C
- ▶ Application should not be carried out when atmosphere humidity exceeds 90%, or when the surface to be coated is less than +3°C above the dew point

## Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

## Legal disclaimer

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