

MonniFinish EC

Fairing Coat Solvent Free Epoxy Mortar

Product Description

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

MonniFinish EC is Thixotropic and suitable for bedding, gap filling, concrete repair and for leveling minor imperfection in concrete surfaces between 3mm to 6mm.

Uses

MonniFinish EC 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 EC.

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 EC 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 EC 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 thickness range will be between 3 – 6 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
Color	light grey
Solid content	100%
VOC	4.3g/L
Pot life at 25°C	>60 minutes
Compressive strength 7 days (ASTM C579)	>65 N / mm ²
Flexural strength (ASTM C 580)	>39 N / mm ²
Tensile Strength (BS6319 Pt.7)	>20 N / mm ²
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

0.60 m²/kg when applied at 1 mm thickness

Packaging

MonniFinish EC is supplied in 8 kg and 4 kg 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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