

EPOMAST MORTAR GP

Epoxy Resin Based Mortar

Description

EPOMAST MORTAR GP is a general purpose 3 pack trowelling mortar with the advantage that one does not have to mix the whole pack for smaller jobs. It has excellent low-slump and feather edging properties.

EPOMAST MORTAR GP has been developed to produce high strength material with excellent abrasion and impact resistance, and virtually nil shrinkage. It bonds tenaciously to most sound building surfaces, is waterproof and resistant to a wide range of aggressive chemicals. **EPOMAST MORTAR GP** is suitable for horizontal and vertical application and in certain instances for inverted applications too.

Typical Applications

- Patch repairs to concrete floors, walls, beams etc.
- Bedding in of fixing bolts and dowels
- Bridge bearing pads
- Jointing and bedding tiles and cladding
- Repair and resurfacing of stairways

Yield

Approximately 525cu. cms/kg. For estimating purposes 30 kilo of **EPOMAST MORTAR GP** will cover approximately 1 square metre at 15mm thick.

Typical Strength Development after full cure

Compressive	75 N/mm ²	Tensile	19 N/mm ²	Flexural	49 N/mm ²
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Colour

Neutral grey, other colours may be available upon request to the manufacturer.

Instructions for use

Surface Preparation

Surfaces should be sound, clean, free from laitance, dust, oils or other deposits and surface dry. Scarification or acid etching to expose the aggregate of both new and old concrete is recommended for best results. If mortar is to be applied to spalled areas it is important to ensure that edges are sound and that any steel surfaces are clean and rust free.

Priming

Once prepared the surfaces should be primed with **EPOTAC** applied at the rate of 3-5m² per kilo, depending upon the surface texture and porosity. Special attention being paid to the edges of the area. When using **EPOMAST MORTAR GP** for small patch repairs to surfaces other than inverted, priming may be omitted provided that the areas are cut back to avoid feather edging and hacked to leave a keyed surface.

Mixing

EPOMAST MORTAR GP is packed as a base, a hardener and a pack of specially graded filler. Using a mechanical mixer the entire contents of the resin and hardener containers should be mixed together. The filler may then be gradually added until the desired consistency is achieved.

Resin-Based Construction Materials

Application

Primed areas where the **EPOTAC** has set or soaked in should be re-primed. On vertical surfaces and soffits the **EPOTAC** should be allowed to become a little tacky before applying the mortar. Immediately after mixing the mortar should be trowel applied, spreading to produce an even coverage, then press the mortar firmly onto the surface and compact to achieve maximum density. Finish with a steel float to a smooth, even textured closed surface. Wiping the float face occasionally with a rag soaked in **RESOKLENS** will assist in obtaining a good finish. Do not apply in temperatures below 5°C and protect surfaces from moisture until hardened. In order to enhance appearance it is advisable to wash surfaces with a light detergent after two days and before surfaces are trafficked.

Pot Life

This is influenced by temperature, volume of mixed material and type of container. Lower temperatures, smaller volumes and wider containers giving a shallower bulk of material will extend pot life. In practice under normal conditions a pot life of approximately 25 minutes can be expected.

Cure Time

Full cure is achieved after approximately 5 - 7 days at 20°C. Lower temperatures will prolong cure time. Repaired surfaces will generally take light foot traffic the following day, where possible, keep heavy traffic off for at least 4 days.

Cleaning of Equipment

Use **RESOKLENS** for cleaning equipment immediately after use and before mortar has set firmly.

Storage

Keep containers sealed and at room temperature, away from direct heat. Under normal temperatures and dry conditions storage life is one year if the resin and hardener packs have not been opened.

Health & Safety

EPOMAST MORTAR GP should be handled carefully and skin contact, exposure to high vapour concentrations and ingestion avoided. Wearing of overalls, gloves and protective eyewear should be considered together with the application of a suitable barrier cream to hands where necessary. Proper regard should be taken to the precautions necessary when storing and handling **EPOTAC** and **RESOKLENS**.

Reference should be made to the separate **EPOMAST MORTAR GP**, **EPOTAC** and **RESOKLENS** Health and Safety leaflets.