

Epoxy Mortar

Description

Fastpatch industrial concrete floor repair system is a fast curing, impact resistant, repair mortar, floor screed and hole filler for all gaps, patches and cracks in concrete and masonry floors. Ideal for factories, warehouses and goods yards, Fastpatch high strength epoxy resin mortar repair requires no primer and simply trowels into holes to form a flush, shrink resistant and frost resistant floor repair that can withstand vehicle traffic within hours of being mixed and applied. Available in a range of colours to suit your requirements and equally at home inside or out, UV stable Fastpatch floor repair kits make masonry and concrete floor repairing quick, safe and simple.

Advantages

- High Strength Epoxy Resin Mortar
- Quick concrete floor repair system
- Simple, pre-packed & ready to use
- Fast curing quick floor repair kit
- High impact & abrasion resistance
- Impervious to water, ice and frost
- High bond. No primer required
- Concrete floor epoxy repair mortar
- Instantly repair damage to floors
- Cures well under damp conditions
- Fill holes in floors and bridge cracks
- High strength traffic-able floor repair
- UV stable – internal or external uses
- Full range of epoxy colours available

Surface Preparation

Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling or bush hammering, to provide a sound, clean, substrate. Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by abrading or grit blasting to remove rust, scale, etc.

Mixing

Fastpatch is supplied as a two component pack. Each component is pre-weighed and ready to mix. The contents of the CURING AGENT should be added into that containing the BASE and the two components thoroughly mixed, by spatula or low speed drill/stirrer, or forced action mixer.

Application

Apply the Fastpatch by tamping and trowelling to ensure good compaction and a tight finish. The material should not be feather edged. Maximum thickness in horizontal applications is 50mm. For vertical applications the material may be built up in layers not exceeding 6mm.

Equipment Cleaning

Clean equipment with Toolclean prior to curing of the mortar.

Curing and Overcoating

Fastpatch will have hardened sufficiently after 5-6 hours cure @ 15-20°C to allow full trafficking. Longer periods of cure will be necessary at lower temperatures. Full mechanical and chemical resistant properties will be achieved after 3 days cure @ 20°C.

Typical Properties

Colour: Light grey (other colours available upon request)

Density: 2000kg/m³

Pot Life: 40 minutes @ 20°C

Adhesion to concrete: 3.9MPa (concrete failure)

Compressive Strength: 76MPa

Taber abrasion resistance: 40mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)

Maximum Service Temp: 70°C continuous

Packaging

Fastpatch is supplied in 5kg and 10kg packs.

Coverage

A 5kg pack of Fastpatch yields 2.5 litres of material, sufficient for 0.5m² @ 5mm thickness. (10kg pack pro-rata).

Limitations

Do not apply to wet or uncured concrete surfaces.

Do not apply at temperatures of 3°C or less.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

Fastpatch has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.