

**TEKCEM FASTPATCH** is designed for repairs to floors; spalled or damaged concrete; chemical bunds; bedding pre-cast concrete beams; nosings on expansion joints.

## OVERVIEW

**TEKCEM FASTPATCH** is a high strength two component epoxy resin mortar.

TEKCEM FASTPATCH is designed to be trowel applied to provide a permanent repair to concrete or other cementitious surfaces.

TEKCEM FASTPATCH is a blend of epoxy resin, polyamine curing agent, graded aggregate and colour pigments. The mixed material is applied to a suitably prepared surface, and quickly cures to form a durable, abrasion and chemical resistant repair

TEKCEM FASTPATCH can usually be applied without the need to prime the repair area.

## BENEFITS

- Pre-packed units – ready to use.
- Fast curing.
- Excellent impact and abrasion resistance.
- Frost resistant and impervious to water.
- Excellent mechanical properties.
- Unaffected by a wide range of acids and industrial chemicals.
- Negligible shrinkage.
- High bond strength – no primer required.
- Cures under damp, cool conditions.

## TECHNICAL DATA

Colour	Light grey (other colours available on request)
Density	2000kg/m <sup>3</sup>
Pot life	40 minutes @ 20°C
Adhesion to concrete	3.9Mpa (concrete failure)
Compressive strength	> 70 Mpa
Taber abrasion resistance	40mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)
Pack size	5kg or 10kg
Maximum service temperature	70°C continuous

## COVERAGE

Pack size	Yield	Thickness	Approx. coverage
5kg	2.5	5mm	0.5m <sup>2</sup>
		10mm	0.25m <sup>2</sup>
		25mm	0.1m <sup>2</sup>
10kg	5.0	5mm	1.0m <sup>2</sup>
		10mm	0.5m <sup>2</sup>
		25mm	0.2m <sup>2</sup>
		50mm	0.1m <sup>2</sup>

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### TOOLS REQUIRED

- Slow speed drill and paddle.
- Screed bar
- Plastic float
- Steel float

### 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.

### PRIMING

Primer not normally required. For exceptionally porous surfaces, please contact our Technical Department for specific advice.

### MIXING

TEKCEM 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 the base container and the two components thoroughly mixed, by spatula or low speed drill/stirrer, or forced action mixer.

### APPLICATION

Apply the TEKCEM 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.

### CURING AND OVERCOATING

TEKCEM FASTPATCH will have hardened sufficiently after 5-6 hours cure at 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 at 20°C.

It is preferable to apply a sealer coat if exposure to chemicals is likely. Please consult our Technical Department for specific recommendations.

### EQUIPMENT CLEANING

Clean equipment with TEKCEM SOLCLEAN as soon as practically possible. Cured material will be difficult to remove from tools.

### LIMITATIONS

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°C or less.

### WARNING

Whilst the information provided in this datasheet is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application.

TEKCEM LTD cannot be held be responsible for any loss or damage due to incorrect use or from the possibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.

### HEALTH & SAFETY

This product is not classified under the Chemicals Hazard Information and Packaging for Supply Regulations. A Material Safety Data Sheet relating to this product can be obtained from TEKCEM LTD. Please dispose of packaging and waste responsibly.

### STORAGE & 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.

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