

TECHNICAL DATA SHEET

CONCRETE PATCH V

Non-sag Repair Mortar for Vertical Application

PRODUCT DESCRIPTION:

CONCRETE PATCH V is a cementitious pre-packed repair mortar with shrinkage compensation properties. It is supplied as a single component powder which only needs mixing with a specific quantity of water to produce a non-shrink mortar allowing vertical application of 40mm thickness in a single layer without the use of formwork.

CUSTOMER BENEFITS

- Easy to apply
- Shrinkage compensated
- Medium to high build on prepared vertical surfaces
- Composition ensures excellent adhesion
- Water tightness – special additives ensure optimum density and water repellency of cured surfaces

RECOMMENDED FOR:

- General patching repair work
- Filling voids
- For repair of runways and apron
- Horizontal, vertical, and overhead applications

INSTRUCTIONS FOR USE

PREPARATION

All substrates should be clean and free of unsound materials, dust, plaster, oil, paint, and grease. The extremities of repairs should be at least 5mm to avoid feather edging. Any embedded steel should be cleaned to remove corrosion deposits and exposed to at least 60% of the circumference.

PRIMING

All surfaces must be primed prior to repair. Concrete must be primed with **CEMENT GRIP**. **CEMENT GRIP** is brushed or scrubbed into the surface of the concrete.

MIXING

Small quantities of up to 10 kg may be mixed manually in a bucket, not on a spot board. It is advisable to add powder to water. Two minutes of hand-mixing can produce a smooth mortar with the aid of a trowel or spatula. Further, powder or water may be added to the mortar to produce the required consistency.

Above 10 kg should be mixed mechanically by a slow-speed drill with a loop paddle. For normal applications, use 5.5-6 liters (maximum of 6 liters) of water per 25kg per bag dependent on the desired consistency.

APPLICATION

CONCRETE PATCH V can be applied up to a vertical thickness of 40mm. However, it is essential to build up to this thickness in consecutive layers of 10 – 15mm using a “wet on wet” technique to ensure maximum compaction and substrate adhesion. Thickness is dependent on the substrate profile. Sagging will occur if the applied layer is too thick. If sagging occurs, the material should be completely removed and re-applied at a reduced thickness. The surface, however, should be scarified to provide a mechanical key for subsequent layers.

CURING

In common with all cementitious materials, **CONCRETE PATCH V** must be cured immediately after finishing in accordance with good concrete practice. The use of **CEMENT GRIP/ CURE SIL** sprayed or brushed into the surface is recommended.

TECHNICAL DATA

Compressive Strength (ASTM C109 / C109M – 13)

28 days	: 5,800 psi
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ESTIMATING DATA

A 25 kg bag of **CONCRETE PATCH V** mixed with 5.5-6 liters of water yields 16.5 liters (0.0165m³). This will cover an area of 1.6 m² at 10mm thick.

Note: The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.

STORAGE AND HANDLING

CONCRETE PATCH V has a shelf life of 12 months if maintained in dry storage conditions in unopened bags.

PACKAGING

CONCRETE PATCH V is supplied in 25 kg per bag.

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PRECAUTIONS

HEALTH AND SAFETY

CONCRETE PATCH V is non-toxic but it is alkaline.

Gloves should be worn during application.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.