

TECHNICAL DATA SHEET

CONCRETE PATCH H

Rapid Setting Repair Mortar for Pavements and Floors

PRODUCT DESCRIPTION:

CONCRETE PATCH H is a cementitious pre-packed repair mortar with shrinkage compensation properties. It is supplied as a single component powder that only needs mixing with a specific quantity of water to produce a non-shrink, free-flowing, fast-setting, and high-strength mortar. It is a blend of inorganic cement, special fillers, and chemical additives to control the rate of strength gain.

The cured mortar is durable and weather-resistant and is ideal for use in heavily trafficked areas where a rapid return to service in 2 – 3 hours is critical.

CUSTOMER BENEFITS

- Easy to apply
- Shrinkage compensated
- High strength
- Abrasion and weather resistant
- Excellent adhesion to concrete
- Rapid strength gain – will accept vehicular traffic within 2 to 3 hours.

RECOMMENDED FOR

- General patching repair work
- Emergency reinstatement of deteriorated concrete
- For repair of runways and apron
- Areas where wheeled traffic requires a fast return to service
- Ideal repair works for driveways, bridges, seaports, loading bays, parking decks, etc.

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.

PRIMING

Prior to placing, the prepared areas should be saturated by flooding water a few hours before the application of **CONCRETE PATCH H**. All excess water should be removed and all surfaces must be primed by **CEMENT GRIP** for light traffic and **CONFIX LV** for medium to heavy traffic. The mortar must be applied when the bonding agent is still fresh or tacky.

MIXING

Measure 4.0-4.5 liters of water and pour approximately 4 liters into the mixer. While the mixer is in operation, add 25kgs of **CONCRETE PATCH H** and mix for 1 minute before adding the rest of the water. Mix for a further 1 to 2 minutes until a smooth and even consistency is obtained.

APPLICATION

CONCRETE PATCH H should be placed within 10 minutes in order to gain the full benefit of fluidity. The repairs may be surface finished using a trowel or wood float but should not be overworked. **CONCRETE PATCH H** can be applied up to 4 inches in thickness in a single application. For the repair of sections deeper than 4 inches, it will be necessary to add suitable and properly graded aggregates to **CONCRETE PATCH H** in order to minimize temperature rise. The minimum applied thickness of **CONCRETE PATCH H** is 20 mm.

CURING

CONCRETE PATCH H requires curing in accordance with good concrete practice.

After finishing apply **CEMENT GRIP/ CURE SIL** to the finished surface by spray or soft brush.

PROPERTIES

Compressive strength: ASTM C109 / C109M – 13

3 hours	: 2,500 psi
1 day	: 4,000 psi
28 days	: 6,500 psi

Working time	: 20 to 30 minutes
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Setting time	
Initial set	: 40 minutes
Final set	: 90 minutes

Traffic time	
Pedestrian	: 1 hour
Vehicular	: 2 to 3 hours

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ESTIMATING DATA

A 25 kg bag of **CONCRETE PATCH H** mixed with 4.5 liters of water yields 16 liters (0.016m³).

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

PACKAGING

CONCRETE PATCH H is available in 25 kg per bag.

PRECAUTIONS

HEALTH AND SAFETY

CONCRETE PATCH H should not be swallowed. Any eye contamination should be washed with plenty of water.

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.