

TECHNICAL DATA SHEET
CONCRETE PATCH H
Rapid Setting Repair Mortar for Pavement 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 which 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 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, 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 few hours before the application of **CONCRETE PATCH H**. All excess water should be removed and all surfaces must be

primed by **CEMENT GRIP**. The mortar must be applied when the **cement grip** is still fresh or tacky.

Mixing

Measure 800-900 ml of drinking water and pour approximately 600 ml into the mixer. While mixer is in operation, add 5kgs of **CONCRETE PATCH H** and mix for one minute before adding the rest of the water. Mix for a further 3 to 4 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 surfaced finished using trowel or wood float but should not be overworked. **CONCRETE PATCH H** can be applied up to 4 inches thickness in single application. For repair section 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** 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

Setting time

Initial set : 40 minutes

Final set : 90 minutes

Traffic time

Pedestrian : 1 hour

Vehicular : 2 to 3 hours

Important Note:
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ESTIMATING DATA

A 5 kg bag of **CONCRETE PATCH H** mixed with 900 ml of water yields 2.5 liters (0.0025m³).

STORAGE

CONCRETE PATCH H has a shelf life of 1 year if maintained in dry storage conditions in unopened bags.

PACKAGING

CONCRETE PATCH H is available in 5 kg plastic container and 25 kg per bag.

HEALTH AND SAFETY

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

FIRE

CONCRETE PATCH H is non-flammable.

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