

Rapid Patch H

Fast Setting Repair Mortar For Concrete Pavement & Floors

Product Description

RAPID 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.

Features & 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.

Uses

- 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.

Application Methodolgy

Surface 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 RAPID PATCH H. All excess water should be removed and all surfaces must be primed by BOND SBR 208. The mortar must be applied when the bonding agent is still fresh or tacky.

Mixing

- Care should be taken to ensure that Rapid Patch H is thoroughly mixed.

- Mix the material with mechanical paddle stirrer.
- Mix Rapid Patch H with water 2.4 to 2.8 liters for 25 kg bag for normal application, till homogeneous mix is obtained
- Mix continuously for 5 minutes, ensuring a smooth even consistency of the mix.

Application

RAPID 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. RAPID 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 RAPID PATCH H in order to minimize temperature rise. The minimum applied thickness of RAPID PATCH H is 20 mm.

Curing

RAPID PATCH H is a cement-based repair mortar. In common with all cementitious materials, it must be cured immediately after finishing in accordance with good concrete practice.

Technical Data

Compressive Strength	25 Mpa @ 3 Hrs 50 Mpa @ 1 Day 55 Mpa @ 7 Day 65 Mpa @ 28 Day
Working time	20 to 30 minutes
Setting time	
Initial set	40 Minutes
Final Set	60 Minutes
Traffic time	
Pedestrian	1 Hour
Vehicular	2 to 3 Hour
Yeild	Approximately 12 litres / 25kg
Coverage	Approx 1.0 m2 at 12 mm thickness

Packaging – 25 kg HDPE Bag

Shelf life – 6 Months from month of manufacturing

Storage – Keep in dry storage & unopened bag.

HEALTH AND SAFETY

RAPID PATCH H should not be swallowed. Any eye contamination should be washed with plenty of water. RAPID PATCH H is non-flammable.