

TECHNICAL DATA SHEET

HARDCRETE 620

Cementitious Compound for Re-instatement of Concrete Pavements 20mm Thickness at 6000 psi

PRODUCT DESCRIPTION

HARDCRETE 620 is a cementitious pre-packed repair mortar specially designed for resurfacing, patching, and repairing large areas of concrete. It is supplied as a single component powder that only needs mixing with a specific quantity of water to produce a non-shrink and rapid strength-gain mortar. It is a blend of special cement, special fillers, and modifying additives to control the rate of setting and strength gain plus hard-wearing aggregates.

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

- Pre-packed - easy to mix and apply
- Shrinkage compensated
- Special formulation accelerates strength development
- Abrasion and weather resistant

RECOMMENDED FOR:

- General patching repair work
- Patching and repairing damaged concrete surfaces.
- Resurfacing of worn-out concrete floors
- Topping of new and old concrete floors
- Ideal repair works for driveways, warehouses, car parks, loading bays, concrete roads, 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. Defective and unsound substrates have to be removed and repaired prior to the application of **HARDCRETE 620**.

PRIMING

The prepared areas should be saturated by water a few hours before the application of **HARDCRETE 620**. All excess water should be removed and all surfaces must be applied with **HARDCRETE FIX** or **CONFIX LV**.

Note: Do not wait for the bonding agent to dry. The mortar must be applied when the adhesive is still fresh.

MIXING

Measure 4.25 - 4.75 liters of clean water and pour it into the mixer. While the mixer is in operation, add 25kgs of **HARDCRETE 620** and mix slowly with low-speed mechanical mixers until a smooth and lump-free consistency is obtained.

APPLICATION

Place the mixed material evenly over the primed substrate and tamp into place using a trowel or a wood float to ensure full compaction but should not be overworked. Strike off the surface to the correct level and finish with a steel trowel. If a textured finish is required, this can be done with a sweeping brush.

CURING

HARDCRETE 620 requires curing in accordance with good concrete practice. Rapid moisture loss from the exposed surface may result in plastic cracking. After finishing, apply the curing compound to the finished surface by spraying or soft brush.

PROPERTIES

Compressive strength (ASTM C109 / C109M – 21)	
1 day	: 2,500 psi
7 days	: 4,000 psi
28 days	: 6,500 psi

PACKAGING

HARDCRETE 620 is available in 25 kg per bag.

ESTIMATING DATA

A 25kg bag of **HARDCRETE 620** mixed with 4.25 – 4.75 liters of water will cover 0.6 sqm @ 20mm 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.

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STORAGE AND HANDLING

HARDCRETE 620 has a shelf life of 12 months if maintained in dry storage conditions in unopened bags.

PRECAUTIONS

HEALTH AND SAFETY

HARDCRETE 620 should not be swallowed. Gloves, goggles, and dust masks should be worn. Any splashes to the skin should be washed thoroughly after handling. Avoid eye and unnecessary skin contact, as the product is alkaline. In case of eye contact, flush with plenty of clean water.

HARDCRETE 620 is non-flammable.

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.