



Unicell 60

Prebagged High Build, High Strength, Waterproof Class 60 Repair Mortar

Description

Unicell 60 is a prepacked vinyl acetate copolymer modified mortar requiring only the addition of clean water to produce a mortar suitable for structural concrete repair. It can be applied in thick section and is suitable for structural application. Layers 20-30mm can be achieved depending upon substrate profile and technique. Greater thickness may be possible when applying material into pockets. Successive layers can be built up to achieve the required thickness once the previous layer has become firm.

Uses

- Thick section concrete repairs to vertical and overhead surfaces
- Can be used internally and externally
- Structural and cosmetic repairs to buildings and bridges
- Reinstatement of damaged concrete and protection of reinforcement

Benefits

- Prebagged giving greater confidence
- Single pack requiring only the addition of water
- Easy to apply on overhead surfaces
- Easy to achieve smooth surface finish
- Suitable for structural repairs

Specification Clause

The Concrete Repair Mortar shall be Unicell 60 by Ronacrete (Far East) Ltd, tel. (852) 2865 5872. The primer for steel and concrete shall be Unicell Primer. All materials to be applied in accordance with manufacturer's instructions.

Technical Data (Unicell 60)

Compressive Strength	> 60 MPa	At 28 days
Tensile Strength	> 2 MPa	At 28 days
Bond Strength (TM5)	> 2 MPa	At 28 days
Shrinkage Cracking – Coutinho ring	Nil	Between 1 – 28 days

Packaging

Unicell 60 is supplied in 25 kg bags.

Application (*Please Refer to the Method Statement and MSDS)

Surface Preparation

- All defective concrete should be removed to leave a sound substrate.
- Loose rust and scale should be removed from exposed reinforcement.
- Cut around the perimeter of the repair area to a minimum depth of 6mm to avoid feather edges.

Surface Priming

- Concrete surfaces to be primed must first be thoroughly wetted with clean water.
- Mix the primer by the following ratio:
Unicell Primer : Cement =
1:1.5 by volume OR 1:2.0 by weight
- Prime the steel reinforcement and allow to become tacky.
- Prime the steel reinforcement again and the previously dampened concrete surfaces.

Mixing

Mix the whole bag of Unicell 60 with 4 to 4.5 litres clean water to even consistency with the aid of a mechanical mixer.

Application

- Apply the well mixed Unicell 60 mortar to the prepared and primed substrate before the primer coat dries.
- Maximum thickness is up to 30mm per layer.
- Intermediate layers should be scratched or keyed and primed before the next layer is applied.
- Finished the repair to the desired profile using steel trowel or wood float.
- Cure the finished surface with Monocure 50.

Shelf Life and Storage

Shelf life is 6 months. Store in a cool and dry conditions in the original and unopened packaging. Exposure to high humidity and high temperature may reduce the shelf life.

Health and Safety

Unicell 60 contains cement. Protective clothing such as goggles, overalls and gloves is recommended to prevent any effect from prolonged skin contact, inhalation or ingestion. Refer to Health and Safety Data Sheet.

Technical Service and Support

Ronacrete provide free technical advice and support during design and installation of all systems for flooring, concrete repair, bonding, bedding and waterproofing. If you need any further information including method statement or additional technical data sheet, contact the Ronacrete Technical Department on (852) 2866 4365 or visit our web site www.ronacrete.com.hk.

Guarantee

Ronacrete products are guaranteed fit for purpose and of merchantable quality.

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