

Rendercem® RP2

High performance, ready to mix, cementitious
reprofiling -cum-repointing mortar



The Construction Alchemists

Description

Rendercem® RP2 is a ready to mix cement based reprofiling - cum-repointing mortar which needs just addition of prescribed quantity of water during site mixing. It consists of portland cement, active binders, special additives and graded fillers. It can be used in exposed and protected environments. It is suitable for stone, block and brick masonry works.

Features & Benefits

- Pre-batched and pre-packed no need to do site batching, just needs addition of mixing water at site.
- Consistent quality of constituent materials ensured
- High quality mortar- manufactured under stringent controlled factory environment
- Suitable for hand mixing and manual application
- Faster application on both vertical and overhead surface
- Can be applied at 10 to 12.5 mm thickness in single layer
- Good smooth finished surface on trowelling

Primary Application

Rendercem® RP2 can be used in all masonry applications such as pointing of masonry joints in brick masonry, stone masonry, concrete block masonry walls. It can be used for reprofiling of eaves cornices, drip moulds, architectural ornamentation etc. typically in the exterior of the buildings.

Technical properties

Water powder ratio	0.14 to 0.15
Fresh wet density	1.8 to 2.0 g/cc
Compressive strength	Min 15 MPa @ 28 days

Application Instructions

Surface Preparation for Re-profiling

The substrate shall be cleaned to remove loose particles, dust, oil, laitance or any bond inhibiting substances adhering to the surface. The cleaning can be carried out with suitable means like wire brushing, water jetting, mopping and blowing with compressed air.

It is recommended to level the substrate locally in case of larger undulations exceeding 10 mm with a wet mix of Rendercem® RP2 locally, followed by application of mortar.

Joint Preparation for Repointing

The old mortar is removed to a depth equal to or slightly more than the width of the joint, or to the point where sound mortar is reached. Removal of old mortar between joints is done carefully to avoid damage to masonry units. On buildings with soft materials, such as under-fired brick, lime mortar, or terra cotta, removal by hand is often the most effective method to avoid damage. Hard portland cement mortar is usually removed with a pointed tool taking care not to damage the masonry units. After the mortar has been cut out, the joints are brushed clean. The remaining debris is removed with a water jet from the top of the masonry area down. Using a narrow chisel minimises the risk of pushing loose pieces further in to the joints. The use of an angle grinder should be avoided. The joints are sprayed with water to avoid drying out of new mortar. Wait for the water to dry off before beginning to repoint.

Mixing

Mix 3.75 litres per 25kg bag of Rendercem® RP2 using mechanical stirring for 2-3 minutes to ensure a uniform consistency mix, free of lumps is obtained.

Application

Apply Rendercem® RP2 using mortar trowel. Begin from the top down (in order to keep any dust and water spray away from freshly repointed joints). To avoid the new mortar drying out too quickly, spray the joints lightly with water from time to time. Avoid excessive wetting the joints. The areas with the deepest recession, are filled first. Where existing mortar has been removed to a depth of greater than 25mm, these deeper areas should also be filled first, compacting the new mortar in several layers. The back of the entire joint should be filled successively by applying approximately 6mm of mortar, packing it well into the back corners.

Curing

After the mortar has been applied and finished, it is essential to protect it from the sun and wind by covering it with a plastic sheet and keeping it moist for a minimum of 7 days. Alternatively, Talrakcure® range of curing compounds shall be sprayed on the finished surface of the mortar. This obviates the necessary of water curing.

Estimating Packaging

Rendercem® RP2 is supplied in 25kg bag.

Consumption

2 kg per liter void. However, the consumption may vary depending on the surface texture.

Storage

Rendercem® RP2 has a shelf life of 12 months if kept in dry store in original, unopened bags. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety Instructions

Rendercem® RP2 is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with ample of clean water. In case of prolonged irritation, medical advice should be sought. Rendercem® RP2 is non-flammable.

Talrak



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

Plot No. 115-A, 1st Phase. Harohalli Industrial Area,
Kanakapura Taluka - 562 112. Ramanagar Dist.
www.talrak.in

Important note :

Talrak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Talrak endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

Ref : TCC/TDS/REI8 - RI