

SUPER REP 2P

Two-Component Polymer Modified Cementitious Mortar

Description

SUPER REP 2P is a two-component cementitious based polymer modified mortar giving high performance at plastic consistency. It is supplied as a ready to use dry powder when mixed with the liquid latex part produces a high consistent shrinkage compensation thixotropic workable mortar for repair and plastering work.

SUPER REP 2P is composed of high resistant hydraulic binders, graded silica aggregates, special chemical additives, and modified by the addition of synthetic polymer latex.

Features & Benefits

- Ready to use two components product.
- Excellent bonding to all concrete substrates.
- Shrinkage compensation - reduces the risk of cracking.
- High impact resistant finished layer.
- Excellent mechanical strength.
- High workability.
- Low permeability provides protection against chlorides, atmosphere gases and salts penetration.
- Contains no asbestos, chloride & sulphate admixture

Uses

SUPER REP 2P is designed to provide flexible repairs to surfaces up to 10mm thickness in different areas, such as:

- To produce a smooth surface prior to applying decorative or painting coating.
- As a general re-profiling layer over large areas.
- For filling pinholes or porous surfaces prior to over coating.
- As a repair product for defected concrete elements.
- Can be used as a cement plaster or render in one or two coats on walls and ceiling in internal and external areas.
- Levelling of irregular surfaces.

Technical Properties

Consistency	Thixotropic mortar
Mix Density	1,850 Kg/m ³ approx.
Workability time	30 minutes @ 25 °C
Adhesion to concrete @ 28 days	>2.0 N/mm ²
Flexural Strength	3 N/mm ² @ 28 days
Tensile Strength	1.4 N/mm ² @ 28 days
Thermal expansion coefficient	11X10 ⁻⁶ / °C
VOC	5.0 g/L
Water Absorption	Nil
Average Linear Shrinkage	0.006%

All values are subject to 5-10% tolerance

Standards Compliance:

- ASTM C190, C1583
- ASTM D 2369
- ASTM C109/ C109M

Application Procedures

Surface preparation:

The surface must be clean, sound, free from grease, friable material, curing compound, etc. Dust should be removed by brush or compressed air. Saturate the surface with water to eliminate possible water absorption at the moment of application.

Mixing Instructions:

To prepare the mortar, both components of **SUPER REP 2P** are pre measured for use. Pour component B (Liquid) into a suitable mixing container. Add component A (Powder) to the container. Mix using spiral paddle in slow speed heavy duty drill for 3-5 minutes till a homogeneous lump free consistency mix is achieved. Keep obtained mix for 5 minutes and then remix before application. Partial mix can be applied if needed provided that the two components are mixed in ratio of 4 (Powder) with 1 (Liquid) by weigh.

Application Instructions:

Apply the mortar manually with spatula or steel trowel with a maximum thickness of up to 10 mm per coat. The product can be applied in more than one layer. Leave the surface rough if the application of following layers is needed.

For filling pin holes or fine honeycombs, fill the holes with the mix using steel trowel. Once the applied mix starts to partially set, trowel the whole surface to obtain a smooth finish.

In case high mechanical resistant thin plaster is required, **SUPER REP 2P** must be reinforced with a fiber mesh.

It is recommended to use curing compound in high temperature and drying wind conditions. In cold conditions protect the surface from freezing

Yield

A 30kg kit of **SUPER REP 2P** will yield approximately 17 Liters of mortar.

Packaging

SUPER REP 2P is available in 30kg kit (23kg powder and 7 Ltr latex).

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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