

BP-Recon PH

Single Component Cementitious Fairing Coat and Pin-hole Filler

Description

BP-ReCon PH is a single component polymer modified cementitious fairing coat designed to fill pores, blowholes, minor honeycombs on a concrete surface. This can also be used as a skim coat prior to the application of protective coatings and used as repair mortar for concrete surfaces, plaster surfaces, etc. It is a shrinkage compensated crack free material, which can be applied as thin surface coats.

Application Area

BP-ReCon PH is used to cover minor surface defects on concrete, plaster, mortar and stone masonry. As a cosmetic repair material, it is used to eliminate small defects, pin holes and surface blemishes. It is suitable for skim coat plaster and small repairs to precast concrete elements, columns, beams and fair faced concrete.

Advantages

- ✓ Good mechanical strength
- ✓ Single part, only add water
- ✓ Excellent bond to substrate
- ✓ Suitable for use in contact with potable water
- ✓ Chloride free
- ✓ Fast strength development
- Can be over coated

Typical Properties

Property	Test Method	Value
Component		Single
Form		Powder
Colour		Grey
Fresh Wet Density	BSEN 12350-6	1.90 kg/ltr +/- 0.05
Working Time		30 Minutes
Compressive Strength	ASTM C109	45 N/mm ² at 28 days
Bond Strength	ASTM D4541	>1.5 N/mm ² at 28 days
Flexural Strength	BS 6319-3	6 N/mm ² at 28 days
Water Absorption (ISAT)	BS 1881-208	< 0.01 ml/m ² /sec at 2 hrs
Drying Shrinkage	ASTM C157	< 500 microstrain at 28 days

Surface Preparation

Ensure that the surface is clean, free from laitance, traces of curing compounds, shuttering oil, grease, etc., which may hamper bond properties. No loose particles should be present. The surface must be saturated with water thoroughly for at least 2-4 hours before application of **BP-ReCon PH**.

Mixing

Use 5 to 6 ltrs of water for every 25 kg bag depending on consistency required. Mix using a slow speed heavy duty drill machine fitted with a paddle. Mix for

approximately 3 minutes till a uniform mixed consistency is obtained. Part mixing can be adopted provided correct water to powder ratio is maintained.

Application Guidelines

Mixed material is applied on the prepared surface using a steel trowel. It should be worked well into the pin holes and surface blemishes. It should be allowed to set partially before final finishing with sponge or steel trowel. Water can be sprinkled on the applied material before final trowel finishing or sponging.

Application Thickness

1 mm up to 5 mm can be applied in one-three layer.

Curing

Generally curing is not necessary for cosmetic repair mortar. However, particular care is required in hot and / or windy conditions by spreading wet burlap or wet hessian cloth.

Packaging

BP-ReCon PH is packed in 20kg & 10 kg moisture resistant pail.

Yield

13 ltr/20 kg bag/pail with 6 ltr water addition.

Coverage

10m²/20kg pail.

Storage & Shelf-life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

Limitations

At temperatures above 35°C, it is recommended that measures are taken to reduce material placing temperatures. These include, storing materials and equipments under cool shade and away from direct sunlight. Avoid installation during the hottest part of the day. Ensure that water temperature is kept below 20°C. Should not be used in unrestrained area.

Cleaning

Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

Health and Safety

This product contains cement powders which, when mixed with water or upon becoming damp, release alkalis that can be harmful to skin. During use, avoid inhalation of the dust and contact with the skin or eyes. Gloves, goggles and suitable mask must be worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Regarded as non-hazardous for transportation. Do not reuse containers. To be disposed off as per local rules and regulations.



BP-Recon PH

Quality & Care

Conpacmix (BD) Ltd. acquired German technology for an updated production facility and set up a state of the art laboratory facility for conducting regular quality assessments on raw

materials procured and finished products. Process from procurement of raw materials to finished products, are managed by qualified and experienced engineers, chemists and technicians.

Note: Field service where provided does not constitute supervisory responsibility. Suggestions made by **Conpacmix (BD) Ltd.** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Conpacmix (BD) Ltd.**, are responsible for carrying out procedures appropriate to a specific application.

Manufacture:

