



## ReCon PH

Single Component Cementitious Fairing  
Coat and Pin Hole Filler

**DESCRIPTION** **ReCon PH** is a one part, polymer modified, cementitious thin fairing coat repair mortar for concrete surfaces, plaster surfaces, etc.

**USES** **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 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
- Water curing is not required
- Can be over coated

#### TYPICAL PROPERTIES at 25°C with W/P ratio at 0.24

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Power
Colour	-	Grey
Fresh Wet Density	BSEN 12350-6	1.90 kg/ltr +/- 0.05
Working Time	-	30 mins
Compressive Strength	ASTM C109	45 N/mm <sup>2</sup> at 28 days
Bond Strength	ASTM D4541	>1.5 N/mm <sup>2</sup> at 28 days
Flexural Strength	BS 6319-3	6 N/mm <sup>2</sup> at 28 days
Water Absorption (ISAT)	BS 1881-208	< 0.01 ml/m <sup>2</sup> /sec at 2 hrs
Drying Shrinkage	ASTM C 157	< 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 **ReCon PH**.



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**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** 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 or sponging.

**APPLICATION THICKNESS** 1 mm up to 5 mm can be applied in one layer

**PACK SIZE** 10 kg and 25 kg bag

**YIELD** 16 ltr/25 kg bag with 6 ltr water addition

**COVERAGE** 16 m<sup>2</sup>/25 kg bag at 1 mm thickness

**LIMITATIONS** Setting time and strength gain will be affected by ambient conditions. Maximum thickness in single layer should not be more than 5 mm. Not to be applied if there is running water during application or before setting of material.

**GENERAL INFORMATION**

<b>Shelf Life</b>	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
<b>Cleaning</b>	Clean all equipments and tools with water immediately after use

**HEALTH and SAFETY**

<b>PPE's</b>	Gloves, goggles and suitable mask must be worn.
<b>Precautions</b>	Contact with skin, eyes, etc. must be avoided.
<b>Hazard</b>	Regarded as non-hazardous for transportation.
<b>Disposal</b>	Do not reuse bags. To be disposed off as per local rules and regulations.
<b>Additional Information</b>	Refer MSDS. (Available on request.)



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### TECHNICAL SERVICE

**CONMIX Technical Services** are available on request for onsite support to assist in the correct use of its products.

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