

PC Bond EP



Epoxy based concrete bonding agent

Product Overview

PC Bond EP is a two component epoxy based solvent free material which consists of pigments and fine fillers. It is supplied as a two component in pre weighed quantities for on site mixing and application. Part A is resin and Part B is hardener.

Areas of applications

1. For bonding new concrete to old concrete substrate.
2. Bonding of steel to substrate.
3. For grouting all types dowels.

Properties

1. PC Bond EP can be used over wide range of wet and dry surfaces.
2. It is solvent free. Hence has zero VOCs and can be used in closed surfaces.
3. It is a multi-purpose binder and is non-shrink.
4. It can be applied as a primer to all types of metal surfaces due to its low viscosity.
5. It has high resistance to chemical attack and abrasion. Hence can be used as wearing surface

Guidelines for Usage

1. Surface Preparation: Remove all grease, oil, dirt, laitance and foreign particles that could hamper proper adhesion. Laitance, moulds and contaminants could be removed by mechanical means such as high speed water jet, grit blast or wire brush. Spalled concrete should be cut a or chipped off and instead filled with PC Bond EP

and sand mix based mortar.

2. Mixing: Mix Part A and Part B in a clean container using a slow speed mixing paddle until a uniform mix is obtained. If required then scratch the wall of mixing container and mix gain for 2 minutes more to avoid wastage.

3. Application: PC Bond EP can be applied using a brush or roller across the surface. Subsequent coats may be applied with an interval of 30-45 minutes while the previous coats are still sticky. For bonding fresh concrete apply the concrete within 40 minutes while the treated surface is still tacky.

4. Curing: Curing time may vary depending upon the surrounding temperature and humidity. Generally it takes 7 days for complete curing.

Dosage and measures

PC Bond EP comes in a pre weighed packings. It is ready to mix and apply. Please contact a Mcrete® technical representative for further advice.

Packings available

PC Bond EP is available in 1 kg and 5 kg packs.

Coverage

Estimated coverage for PC Bond EP is 3.5 - 4.0 m²/ltr. Please note that the actual coverage may vary depending upon the nature of substrate and profile.

Storage and Shelf life

PC Bond EP has 12 months shelf life when stored in original, cool, dry and unopened packs.

Safety Measures

1. Clean tools and equipment immediately after the use. Reseal the containers after use.

2. Use proper safety equipments while mixing e.g. use of safety coats, safety goggles, gloves etc. Any eye contamination should be washed immediately with clean water and immediate medical attention sought.
3. Don't reuse the containers for storing consumable items.

For further information related to application and safety precautions, please contact Mcrete® technical representative.

Technical data

	<u>Part A</u>	<u>Part B</u>	<u>Mixed</u>
Aspect	Grey liquid	Amber liquid	Grey viscous paste
Mixed Density	1.48-1.50 g/cc		
<u>Recoat time</u> At 25°C At 40°C	8 hours 6 hours		
<u>Pot life</u> At 25°C At 40°C	2 hour 1 hour		
Setting time	120 - 150 minutes		
Bond strength	> 2.5 MPa		

For further clarifications Please contact on below address

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