

**DESCRIPTION**

C R P H B is a balanced blend of sand, cement and active chemical components mixed together to create a high build mortar to repair damaged or spalling concrete surfaces. Containing no polymers, plasticizers or chlorides this unique material utilises chemicals similar to the cement grain and creates a high build, high strength, chemical resistant cement compound.

**PACKAGING**

25kg bags.

**USES**

Repair of damaged concrete structures such as bridges, roads, pipes, factory floors and walls where a depth of fill of between 10 and 100mm is required.

**BENEFITS**

- Contains no solvents, polymers or chlorides.
- Does not require primer but priming with C R P L will increase the bond strength.
- High early strength 30 mpa in 1 day, 58 mpa in 7 days.
- Excellent abrasion resistance and durability.
- Low shrinkage.
- For depths of fill above 50mm, the product can be bulked out by adding up to 25% of 3-7mm aggregate.
- Can be painted over, most coatings adhere well to the cured product.
- Can be top coated with C R P R for increased durability.

**TERMS & CONDITIONS OF SALE**

Refer to back of this sheet.

**INSTALLATION** (Refer to MSDS before use)**Surface Preparation**

Remove any existing coating, loose or spalling concrete and thoroughly clean the surface and acid etch. Any exposed reinforcing should be cleaned and treated with C R P Rust Inhibitor.

**Priming** (Optional)

C R P H B, apply sufficient quantity to fully wet surface.

Note: Priming advances the chemical reaction and gives higher early bond strength.

**Mixing instructions**

Place the required amount of water in a clean mixing bucket and while stirring slowly gradually add the C R P H B until a mix of the desired workability is obtained. Mix for a further 2 – 4 minutes, allow the mixture to stand for a further 5 minutes or until the wet material takes on a jelly consistency. Re-mix for a further 2 minutes and use.

*Note: As a guide for:*

- A trowellable mix  
*the normal water requirement is 1 litre of water to 8.25-9.25kg C R P H B.*
- A sprayable mix  
*1 litre of water to 4-5kg of C R P H B.*

**Application**

The concrete surface to be treated must be wet to ensure adhesion of the C R P H B. Failure to have a wet surface during this application phase will result in debonding of the C R P H B to the concrete substrate. It is highly recommended to use C R P L as the material for priming the concrete substrate as this will increase the chemical activity between the C R P H B and the existing concrete substrate resulting in excellent adhesion. Apply the C R P H B as you would using standard render techniques whether by spray or trowel. Keep the surface moist by water mist for a period of around 4 hours as the product hydrates.