

CCS Hydro Prime

DESCRIPTION

CCS Hydro Prime is a **low VOC (Green Star IEQ-13 compliant)** two part waterborne epoxy coating system designed to act as a primer membrane/coating primarily over concrete, brick and stone. CCS Hydro Prime is often used as a primer within the CCS Galaxy Coating System.

RECOMMENDED SUBSTRATES

- In-situ concrete.
- Brick, block and stone work.
- Fibre cement and AAC systems.
- Pre-cast and tilt up panels.

PACKAGING

CCS Hydro Prime is available in a 20 litre kit consisting of:-

Part A – Hardener – 10 litres
Part B – Resin – 10 litres.

COVERAGE RATES

First Coat:-

- Membrane/ Barrier 3 m²/litre
- Primer/Surfacer 5 m²/litre

APPLICATION METHOD

Apply CCS Hydro Prime with a brush or roller ensuring the product fills all voids and pin holes.

PREPARATION

- All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means.
- All surfaces must be cleaned free from dirt, grease, oil or other surface contaminants.
- Holes, non-structural cracks and other surface deformities should be repaired using a repair product such as ACS Rapid Patch or the CCS Epoxy Repair Kit.

- A minimum of four hours is required between coats, (preferably overnight if temperature is below 20°C).

MIXING

1. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.
2. First, premix each individual component to form a homogeneous paste.
3. Second, join the two components by equal volume, mixing thoroughly for a minimum of five minutes until a homogeneous blended paste is obtained.
4. Avoid trapping air during mixing as it may cause later pin holing in the coating.

NOTE:- Only mix as much as may be used within the pot life of the product.

FIRST COAT

1. CCS Hydro Prime is a minimum two-coat system. The suggested coverage rate (as per above) must be achieved to ensure a transmission barrier and low permeability is obtained.
2. Applying with a brush or roller, ensure CCS Hydro Prime penetrates into the substrate surface to fill voids and eliminate pin holing.
3. It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb.
4. Take care to protect the coating (ie: via the use of a barricade and/or barrier tape) following application of each coat to ensure it is not damaged or contaminated in any way.

SECOND COAT

Apply the second coat as above (in the opposite direction to the previous coat).

CLEAN UP

Wash all equipment in water immediately on completion of application and mixing. CCS Hydro Prime will cure under water, hence ensure application equipment is not left soaking in water.

PRECAUTIONS

- CCS Hydro Prime cure rates will be dramatically reduced if relative humidity is above 85%.
- CCS Hydro Prime should never be diluted.
- Do not apply to steel or metal surfaces, as corrosion will occur.
- Do not add cementitious products to CCS Hydro Prime.
- CCS Hydro Prime is not trafficable and must be covered with floor toppings, coatings or conventional coverings prior to foot or vehicle traffic.
- In enclosed areas, such as water tanks or reservoirs, ventilation should be provided during the curing cycle to enable adequate evaporation of the coating.
- Allow to cure for a minimum of 24 hours (at 25°C and 50% relative humidity) before applying adhesives, mortars, decorative coatings or other surface treatments.
- CCS Hydro Prime will tend to yellow when exposed to UV light.

STORAGE

Store between 10°C and 30°C away from direct sunlight. Shelf life is up to 12 months if stored in original unopened container. Partly used containers must be sealed tightly when not in use.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, inadequate preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



Concrete Colour Systems
A Division of River Sands Pty Ltd
683 Beenleigh Redland Bay Rd,
Carbrook Qld 4130
Ph: 07 3287 6444 Fax: 07 3287 6445
Toll Free Helpline: 1800 077 744
www.concretocoloursystems.com.au