

{ TECHNICAL BULLETIN }

ASTEC DEHYDRACRETE CEMENT RENDERS

CONCRETE CONDITIONER AND ADHESION PROMOTER FOR CONCRETE REPAIRS

Dehydracrete ■

CR Primer



PRODUCT TYPE

Modified Acrylic Di-polymer.

DESCRIPTION / USE

C.R. Primer is a milky coloured, water based acrylic Di-polymer solution that is used as the base primer for concrete repair mortars. After the removal of any decayed concrete, the cut back area is first primed with C.R Primer and allowed to dry thoroughly before the subsequent repair mortar is applied to the affected area.

C.R. Primer is a specialty formulation consisting of various acrylic polymers and additives. The product is designed to have the correct blend of substrate binding ability, level of softness and elasticity that is necessary to:

- Penetrate, bind and condition the concrete surface.
- Reduce excessive suction and therefore the rapid loss of moisture from the new repair mortar.
- Provide good inter-coat bond strength of the new mortar.

NOTE: C.R. PRIMER IS NOT USED AS A SEALER BINDER FOR CONCRETE THAT IS TO HAVE COATINGS APPLIED TO IT. THE PRODUCT IS ONLY DESIGNED FOR USE ON CONCRETE THAT HAS BEEN SCABBLED TO A ROUGH SURFACE AND IS TO HAVE CONCRETE REPAIR MORTARS APPLIED TO THE PRIMED AREA.

C.R Primer is used principally as the base primer for new concrete repair mortars.



Astec Paints are a 100% Australian owned company committed to the research and development of technologically advanced coatings that provide premium durability against our harsh Australian conditions. Our coatings are manufactured with high regard for worker safety and environmental care and will provide you with absolute confidence in long term performance.

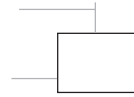


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→ **PROPERTIES**

C.R Primer is a single component product that is supplied ready for use straight from the drum. The product can be applied by brush, spray or roller and all clean up can be done with water.

C.R Primer should not be used as a film forming material. Unlike paint, the product is designed to penetrate the substrate rather than coat it, and bind any loose surface particles to a hard finish prior to any mortar application.

The use of C.R. Primer under new concrete repair mortars has proven to provide outstanding long-term bond strength, assuring that repair mortars will hold in place without delaminating from the principal structure.

PREPARATION

All surfaces must be dry, free from large surface contaminants and structurally sound. Surface preparation may be carried out with the use of high pressure water cleaning, power buffing or scraping. Mould and fungus

infested surfaces should have sodium hypochlorite applied to the substrate prior to a low pressure rinse. This process will kill any moulds and assist in their removal. With the surface clean and structurally sound, apply two coats of Astec Barrier and allow to dry prior to the application of primer. Astec Barrier will retard any under film mould spoilage. Any structural repairs should be made good after the application of C.R. Primer with the correct Astec repair mortar.

*C.R. Primer is to be used during concrete repair therefore we strongly recommend that you consult the relevant diagnosis sheets for concrete repairs available in the **Astec Concrete Repair and Protection System** document.*

APPLICATION

Apply straight from the drum by brush, roller or spray. Apply in multiple coats to the area that is to be treated with the new repair mortar. Ensure that the material is not allowed to pond or be applied so heavy as to result in a surface film. The product should be applied at a coverage of no more than 8m² per litre. Allow the product to dry thoroughly before applying the repair mortar, usually about 4 hours.

<i>Dehydracrete.</i>	
<i>CR Primer</i>	
ASTEC	
PRODUCT DATA [@ 7 days, 20°C]	
■ Gloss Level	Do not over gloss the surface
■ Drying Time @ 25°C	4 Hours
■ Recommended thinners	Do not thin
■ Recoat Time @ 25°C	1 hour
■ Theoretical Spread Rate	6m ² per litre
■ Specific Gravity	1.02
■ Solid Content	25% W/W
■ Wash Up	Water
■ Packaging	1ltr, 4ltr, 10ltr bottles & 20 ltr open top drums

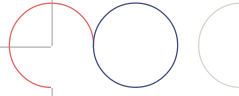
For spray applications use a 518-521 tip. Any air or low pressure spray will atomise this material. For roller applications a fine foam roller is most suitable. For brush applications use a short haired stiff brush working the product well into the repair area.

LIMITATIONS

C.R. Primer is a water based material therefore should not be applied during inclement weather or when precipitation and freezing are imminent. Always apply when temperatures are above 10°C.

PRECAUTION FOR USE / SAFETY

Avoid contact with skin and eyes. Always use a respirator during spray applications.



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