

# CCS Hardseal Advanced

## DESCRIPTION

CCS Hardseal Advanced is a ready to use, general-purpose acrylic sealer, formulated to protect and enhance the surface of concrete.

The solution provides an extremely hard film of limited flexibility with excellent resistance to tyre marking, sunlight, grease and oil.

## RECOMMENDED USES

- Plain or Coloured Concrete.
- Stamped / Patterned Concrete.
- CCS Stylepave or 'Sprayed-on Concrete'.
- Stencilled Concrete.

## PACKAGING

CCS Hardseal Advanced is available in 20 litre and 200 litre drums.

## COVERAGE

Coverage is approximately 4–5 m<sup>2</sup> per litre per coat. Where two coats are applied, coverage is approximately 40–50m<sup>2</sup> per 20 litre drum.

Refer to the chart below for first coat dilution rates. Always dilute with CCS Solvent.

Concrete Finish	Dilution Rate Solvent : Sealer
Stencil Concrete	1litre : 5 litres
Smooth or Pattern Concrete	1 litre : 4 litres
Spray-on Resurfacing	If required

## APPLICATION METHOD

Best results are achieved by using a CCS Solvent Resistant Broom Head. A low pressure sprayer or roller can also be used, however penetration into the concrete is not as effective as using a broom head.

Allow freshly laid concrete, which has been treated with CCS Same Day Sealer to cure for at least 3–7 days prior to application of sealer.

Fresh concrete which has not been treated with CCS Same Day Sealer or a curing agent should be left to cure for a minimum of 28 days prior to application of sealer.

Do not apply to concrete if it has a patchy appearance.

## PREPARATION

### • Existing Concrete

To ensure all surface contaminants are removed, apply CCS HD Degreaser or CCS Citric Cleaner to the surface, removing any oil stains.

Scrub the surface with auto scrubbing equipment or use a high pressure water cleaner to remove contaminants, ensuring all traces of the degreaser are thoroughly removed.

### • Over New Concrete

Fresh concrete which has not been treated with CCS Same Day Sealer or a curing agent should be left to cure for a minimum of 28 days prior to application of sealer.

Remove all oil, grease and dirt using CCS HD Degreaser.

Thoroughly wash the surface using auto scrubbing equipment or a commercial high pressure water cleaner.

Where efflorescence or laitance is present a mild citric cleaner wash may be required. Use CCS Citric Cleaner as per the label and data sheet instructions. Acid washing is not recommended on concrete pavers.

All concrete surfaces must be thoroughly dry before applying any sealer.

## • Resealing Concrete

Concrete surfaces that have been previously sealed must be prepared by removing all loose or delaminated material.

The entire surface should then be solvent scrubbed with CCS Solvent prior to immediate application of CCS Hardseal Advanced.

If the existing sealer is flaking/peeling, it is necessary to completely remove the coating with CCS Enviro Stripper. Ensure the surface is thoroughly rinsed and dry before applying any sealer.

### FIRST COAT

1. Using CCS Solvent, thin the first coat (refer to dilution chart on the previous page).
2. Apply the sealer using a CCS Solvent Resistant Broom Head, short napped roller or solvent resistant low-pressure sprayer.
3. Allow a minimum of six hours between coats. For best results allow 24 hours before applying the second coat.

### SECOND COAT

1. Stir thoroughly and apply as per first coat method above, however thinning is not required.
2. Apply the second coat in the opposite direction to the first coat.

### CLEAN UP

Wash all equipment thoroughly in CCS Solvent and allow to dry.

### CURING

Curing time depends on the temperature. The sealer is usually touch-dry in 20 minutes at 25°C. The concrete can usually be walked on after 24 hours. Allow seven days before parking on the coating.

### NOTE

CCS Hardseal Advanced is not to be used as a curing compound for freshly laid concrete.

## APPROPRIATE SURFACE TEXTURE

As a general statement, the application of a coating to concrete will reduce the existing slip resistance of that surface. Consequently, care must be taken before sealing concrete to ensure that the surface texture has sufficient profile to provide adequate traction.

To aid traction, mix a satchel of CCS Sealer Grip additive into the sealer prior to application of the final coat. However, as the sealer wears, the traction additives will also diminish in effectiveness.

## COATING MAINTENANCE/ LIFESPAN

The expected lifespan of the coating is dependant on the location, weather and traffic the concrete is subjected to. One major benefit of all CCS solvent based sealers is the ease of re-coating.

Assess the surface after 12 months, 18 months and 24 months from the application date, to determine if it requires re-coating. In light use areas, protected from adverse weather conditions the coating will last longer.

## STORAGE

Store in a bunded area or in an approved flammable store away from direct heat.

For further information consult the **Material Safety Data Sheet** (MSDS) and read the product label carefully before use. **MSDS'** 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.concretecoloursystems.com.au](http://www.concretecoloursystems.com.au)