



CCS Hardseal Hi-Build Enduro

DESCRIPTION

CCS Hi-Build Enduro is a high solid, ready to use, solvent based, premium strength acrylic sealer, formulated to protect and enhance the surface of decorative concrete.

The solution provides a very hard film of limited flexibility with excellent resistance to tyre marking and sunlight.

RECOMMENDED USES

CCS Hibuild Enduro is designed for application on:-

- Plain Concrete
- Stamped / Patterned Concrete
- Resurfaced or "Sprayed – on Concrete
- Exposed Concrete
- Stencilled Concrete.

FEATURES

Resistant to Strong Sunlight

CCS Hibuild Enduro includes an Ultra Violet Light Absorber to protect it and the coloured surface from the harsh effects of sunlight.

Hard Film

A particularly tough resin is used in *CCS Hibuild Enduro* to provide resistance to scratching and the abrasive effects of car tyres.

Tyre Mark Resistant

The resin used in *CCS Hibuild Enduro* provides maximum resistance to rubber migration that occurs when vehicles with hot tyres are parked on the coated surface.

PACKAGING

CCS Hibuild Enduro is available in 20 litre and 200 litre drums.

COVERAGE

Where two coats are applied, coverage is typically 4 - 5m² per litre per coat. Where two coats are applied, coverage is typically 40-50m² per 20 litre drum.

Refer to the chart below for first coat dilution rates. Always dilute with *CCS Solvent 100*.

New Concrete Finish	Dilution Rate
Stencil Concrete	1litre: 5 litres
Smooth or Pattern Concrete	1 litre: 4 litres
Exposed Aggregate	1 litre: 5 litres
Spray-on Resurfacing	Not Required

APPLICATION GUIDELINES

(Please refer to the product label on the drum)

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.

SURFACE PREPARATION

Existing Concrete

To ensure all surface contaminants are removed, clean the concrete surface using *CCS Degreaser*, making sure to remove any oil stains (strictly following manufacturers instructions), then ensure all traces of the degreaser is thoroughly washed away.

Wash down the concrete with clean water then apply a mild acid wash (one part Hydrochloric Acid to 20 parts water) to the area and clean with a high – pressure water blaster.

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 100* prior to application of *CCS Hibuild Enduro*.

If the type of existing sealer is unknown, apply *CCS Hibuild Enduro* to a small sample area and observe after six weeks to evaluate whether the sealers are bonding satisfactorily.

If the existing sealer is unsound, it is necessary to completely remove the coating with *CCS Sealer Stripper*, then follow the application guidelines above.

Allow all surfaces to dry thoroughly before applying the sealer.

Over New Concrete

Remove all oil, grease and dirt using *CCS Degreaser* (thoroughly following manufacturers instructions). Thoroughly wash the concrete, using clean household water. Where efflorescence or laitance are present a mild acid wash may be required (one part hydrochloric acid to 20 parts water). Then clean concrete with a high - pressure water blaster.

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

FIRST COAT

1. Using *CCS Solvent 100*, thin the first coat (refer to previous chart).
2. *CCS Hibuild Enduro* should be applied using a quality solvent resistant broom head, short napped roller or metal 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

Stir thoroughly and apply as above, however thinning is not required.

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° Celsius. The concrete can usually be walked on after 24 hours. Allow seven days before parking on the coating.

COATING LIFESPAN

The expected lifespan of the coating will be effected by the location, weathering and traffic the concrete is subjected to. In exposed, heavy traffic areas, re-coating may be necessary after 18 months. In light use areas, protected from adverse weather conditions the coating will last longer.

TRACTION ENHANCEMENT

For adequate traction enhancement you must ensure your concrete surface has a textured profile before you add a coating to it. As a general statement, the application of a coating to concrete will reduce the existing slip resistance of that surface.

The impact of the sealer depends on the thickness of the coating – the thicker the coating, the smoother the surface becomes. Consequently care must be taken when 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* (regular or coarse) additive into the sealer prior to application of the **final** coat. However, as the sealer wears, the traction additives will also diminish in effectiveness.

HEALTH AND SAFETY

- *CCS Hibuild Enduro* is flammable. Avoid contact with heat and naked flame.
- Avoid contact with the skin and eyes
- Use gloves, mask and goggles during application
- Provide adequate ventilation when using in confined spaces
- If swallowed, seek medical attention immediately.

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, incompetent 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
Sydney: (02) 9756 1711
Melb: (03) 9311 9225
Perth: 0423 023 164
Toll Free Helpline: 1800 077 744
www.concretecoloursystems.com.au