CCS HARDSEAL ADVANCED

DESCRIPTION

CCS Hardseal Advanced is a ready to use, general-purpose gloss 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 or Patterned Concrete
- CCS Stylepave or 'Sprayed-on Concrete'
- Stencilled Concrete
- Exposed Aggregate

PACKAGING

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

COVERAGE

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

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

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

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).
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.

IMPORTANT INFORMATION

Sealer should only be applied during 10 and 32 degrees Celsius. Do not apply to a surface that is or has been exposed to direct sunlight for a period of time. Do not apply in the middle of the day. Allow surface to cool down sufficiently before applying sealer. Do not apply sealer when wind speed is 12 knots (22km/h) or greater. Do not over apply sealer – thin coats only. Failure to adhere to these conditions may result in blisters appearing.

CURING

Curing time depends on the temperature. The sealer is usually touch-dry in 20 minutes at 25ºC.

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 dependent on the location, weather and traffic the concrete is subjected to. One major benefit of all CCS solvent based sealers is the ease of recoating.

Assess the surface after 12 months, 18 months and 24 months from the application date, to determine if it requires recoating. 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 Safety Data Sheet and read the product label carefully before use. Safety Data Sheets are available from www.concretecoloursystems.com.au or by calling 1800 077 744.

User Responsibility-Product Selection and Compatibility

CCS warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended as long as it has been used and applied in accordance with the most current Technical Data Sheet from CCS.

In practice, differences in materials, substrates and actual site conditions require an assessment of product suitability for the intended purpose.

The user is responsible for checking the suitability of products for their intended purpose.

Further, combinations of products that form a total system are often required to service particular applications. Due to the multitude of products available to service an application, only products from the CCS system of products must be used in combination with this product to ensure it will be suitable for the purpose for which it is intended.

The product must also not be mixed or used in combination with any other product which is not a product supplied by CCS.

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