

CCS RAPID FLOOR POLYASPARTIC SEALER

March 2022

DESCRIPTION

CCS Rapid Floor Polyaspartic Sealer is a state of the art, two-pack, polyaspartic coating. The technology is ideally suited for concrete and cementitious surfaces, but can be applied to a range of other substrates.

FEATURES AND BENEFITS

- Non yellowing formula
- Can be used internally and externally
- Maintains an adequate wet edge
- Levels well and has excellent bubble release
- Excellent adhesion to most substrates
- Provides an attractive gloss finish
- Excellent stain resistance (incl. Tyres)*
- Excellent water and abrasion resistance
- Retards yellowing of epoxy primers and base coats when used as a finish coat
- Low temperature curing
- Easy Application
- Low odour
- Solvent wash up

RECOMMENDED USES

- Warehouse & factory floors
- Honed or polished concrete
- CCS Galaxy Flooring System
- High traffic areas
- Internal and external floors
- Warehouse & factory floors
- Finish coat over CCS Ultra Epoxy WB or HB epoxy
- Add CCS Sealer Grip or CCS Glass Bead for a variety of anti-slip finishes

COVERAGE

Coverage is typically 6–9m²/litre/coat

A minimum of 1 coat to a maximum of 3 coats should be applied.

PERFORMANCE PROPERTIES

APPARANCE	Liquid
COLOUR	Clear
FINISH	Gloss
VOLUME SOLIDS	Approx. 85% (mixed)
SPECIFIC GRAVITY	Approx. 1.06 @ 25°C
DRYING TIME# (touch dry)	< 3 hours @ 25°C 65% RH
RE-COAT TIME	6 hours @ 25°C 65% RH
THROUGH CURE#	6–24 hours @ 25°C 65% RH
POT LIFE#	20–50 min. approx.
ODOUR	Slight
APPLICATION TEMPERATURE	2–25°C

#Humidity dependent, higher humidity will decrease pot life and drying times.

PACKAGING

CCS Rapid Floor Polyaspartic Sealer is available in 16 litre kit comprising 8 Litres Part A & 8 Litres Part B.

SURFACE PREPARATION

All surfaces to be treated should be clean and structurally sound. All previous coatings, adhesives, efflorescence or laitance should be removed by mechanical grinding or abrasive blast cleaning, high pressure water blasting, mechanical scrubbing or other suitable means.

To prepare a concrete surface use either CCS Citric Cleaner or CCS HD Degreaser to remove surface contaminants.

By using CCS Citric Acid Cleaner at a lower dilution rate an etching process is provided to the surface. To ensure the acid is neutralised apply CCS HD Degreaser prior to the application of CCS Rapid Floor Polyaspartic Sealer.

All surfaces should be dry and clean before application.

Holes, non-structural cracks and other surface deformities should be repaired using CCS Epoxy Repair Kit in accordance with the technical data sheets.

New concrete floors should be at least 28 days old before applying CCS Rapid Floor Polyaspartic Sealer coating to concrete.

PRIMER COAT

Mix up and apply a coat of CCS Ultra Epoxy Primer/ Sealer WB (see product TDS for instructions) and allow to completely dry, usually 2–3 hours before the application of the 1st coat of CCS Rapid Floor Polyaspartic Sealer.

MIXING

The mixing ratio for CCS Rapid Floor Polyaspartic Sealer is 1:1 by weight (1 Part A & 1 Part B).

Mix Part B into Part A and stir thoroughly until the mixed product has a uniform consistency.

It is recommended that a mechanical stirrer is used for this process to achieve optimum uniformity.

- Once mixing has been completed allow mixed product to be covered with a loose lid to prevent humidity absorption.
- Only mix as much as is likely to be used within the potlife of the product approx. 30–40 minutes but can be shorter if humidity is high.

APPLICATION

Apply the first coat of CCS Rapid Floor Polyaspartic Sealer at the rate of 6–7m² per Litre in a uniform manner to ensure adequate cover and a smooth finish. For smooth surfaces such as honed or polished concrete a lambswool or mohair roller are the best application tools. When applying the product, it is important to maintain an even wet edge with the least amount of agitation/aeration.

1. Do not work the coating excessively.
2. The use of thinning products is not recommended.
3. If an anti-slip finish is required cast CCS Glass Bead evenly while 1st coat is still wet prior to applying the 2nd coat of sealer.

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4. Allow first coat to dry for 5–6 hours before removing excess CCS Glass Bead or before applying the next coat.
5. High Humidity can severely reduce the potlife as well as the drying and curing of the product.
6. Next coat should be applied within 6–18 hours after the previous coat. If applying after 18 hours the previous coat should be abraded.

Apply the second coat of CCS Rapid Floor Polyaspartic Sealer at right angles to the first coat and at the rate of 7–9m² per litre.

For commercial and other high traffic areas a third coat might be required.

Allow the surface to cure for at least 4–6 hours before subjecting it to pedestrians and 24 hours for light vehicular traffic. These times are subject to climatic conditions. Allow five days before subjecting the surface to chemical attack or severe abrasion.

Note: The potlife of CCS Rapid Floor Polyaspartic Sealer is approximately 30–40 minutes.

Discard any leftover mixed material after this time. Do not re-seal mixed product as pressure build up may occur. Ensure adequate air movement is available when applying the product.

PRECAUTIONS

CCS Rapid Floor Polyaspartic Sealer should not be applied to surfaces subject to hydro static pressure or rising dampness. Prior to using CCS Rapid Floor Polyaspartic Sealer CCS Coatings should be consulted if the following conditions exist:

- The concrete substrate is in poor condition
- The surface is subjected to unusually cold conditions (i.e. below 20°C)
- The surface is above ambient temperatures whilst in service (e.g. floors subjected to hot or boiling water)
- The floor is subjected to severe chemical attack.

CLEAN UP

Clean all equipment immediately with CCS Armourthane Solvent (DW195). Cured material can be removed using mechanical means.

STORAGE

CCS Rapid Floor Polyaspartic Sealer should be stored between 10°C and 30°C in a cool in a well ventilated location. Tightly seal partly used containers when not in use, as left over product that is subjected to air contamination will reduce its lifespan.

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.

CCS Glass Beads can be added to aid traction. CCS Glass Beads should be applied during the application of the first coat by casting it onto the surface in a uniform manner. A second coat of CCS Rapid Floor Polyaspartic Sealer should then be applied over the glass beads.

Tyre Resistance

Note: If there is friction between the tyre and the floor surface, a black mark sometimes appears.

This is a residue of carbon black which is a filler in rubber tyres that has been deposited onto the floor surface and is the result of a mechanical action and deposition.

However, yellow to brown stains can occur after certain types of tyre have been in direct contact with a light coloured floor coating over a period of time.

This stain is due to the presence of one or more additives used in the manufacture of certain tyres. The tendency and extent of the tyre to stain will depend on both the type of tyre and the type of floor coating.

CCS Rapid Floor Polyaspartic Sealer has proven over field service life to display good tyre stain resistance properties to the majority of tyre brands. However, due to potential choices of sub-coatings and extremes in weather and drying conditions during the curing of the floor coating, it is recommended not to leave car tyres directly in contact with the floor for a minimum 7 days after application and then no longer than overnight for another two weeks.

If a vehicle is to be left in contact with the floor for extended periods of time (i.e. greater than 4 weeks), place a mat or other material (not made of rubber) on the floor area where the tyre is most likely to rest to prevent the tyre from making contact with the floor coating.

SAFETY

We recommend that all personnel wear the relevant protective equipment. (Please refer to the MSDS for more information).

FIRE

CCS Rapid Floor Polyaspartic Sealer is a combustible liquid. Contact with strong oxidisers may cause fire. Sensitive to static discharge. DO NOT smoke near work area or product.

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.

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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.

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.

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 the procedures relating to the application of the product.