

# CCS STAIN BLOCK

March 2022

## DESCRIPTION

CCS Stain Block is a high performance, silane based, deep penetrating sealer that provides long term protection to a variety of surfaces.

Containing a high concentration of special fluoro polymers CCS Stain Block not only repels water, but also effectively repels oil and organic based stains. It offers better protection against staining than traditional silicone based penetrating sealers.

The fluoro-polymers within CCS Stain Block work to chemically infiltrate the pores of the concrete or stone, to provide excellent resistance to stains. The result is a surface that is much easier to clean and maintain.

Due to its penetrating nature CCS Stain Block does not change or alter the colour of the surface ensuring the original natural look of the substrate is retained.

**Note:** A test area must be prepared and allowed to cure for 24 hours to determine the application rate and that the desired effect is achieved.

## RECOMMENDED USES

- Concrete, concrete pavers or masonry surfaces
- Footpaths and public walkways
- Polished concrete (Stain Block is the final sealer for the CCS Platinum Polish System 5 Star Finish)
- Terrazzo floors
- Polished porcelain and porous vitrified tiles
- Natural stone i.e. sandstone, limestone, granite, marble and travertine
- Dining and alfresco eating areas
- Plain, coloured and decorative concrete
- Car parks and driveways
- Urban landscapes
- Pre-cast and tilt up panels
- Swimming pool surrounds

## PACKAGING

CCS Stain Block is available in a 20 litre drum.

## CURING

Allow the sealer to cure for at least 4–6 hours before subjecting to pedestrian traffic and 7 days for vehicular traffic, trolleys, wheel mounted bins or any other equipment that could impact or mark the surface. Please note that whilst the sealer is in the curing phase a slight residue may initially be felt underfoot.

## COVERAGE RATES

The total application rate is 5–20m<sup>2</sup> per litre depending on surface and surface porosity. A minimum of two coats are recommended for effective treatment however if the surface is particularly porous then additional coats may be applied until the point of saturation.

In general, allow 5m<sup>2</sup>/litre per coat for concrete, concrete pavers and sandstone.

For natural and composite stones (e.g. limestone, terracotta, marble, granite, travertine, basalt, terrazzo and slate) allow 8–20m<sup>2</sup> /litre per coat (dependant on surface porosity).

**Note:** A test area must be prepared and allowed to cure for 24 hours to determine the application rate and to ensure the desired effect is achieved.

## SURFACE PREPARATION

- All surfaces to be treated must be structurally sound and all previous coatings, curing compounds, adhesives, efflorescence or laitance should be removed by abrasive blast cleaning, high pressure water washing or mechanical scrubbing.
- Any dirt, grease, oil or other surface contaminants should be removed using CCS HD Degreaser.
- Repair any holes, non-structural cracks and other surface deformities in concrete prior to sealing.

## APPLICATION METHOD

***This sealer requires a wet on wet application method. Wet on wet means that the second or following coats of sealer are applied whilst the first or previous coat is still wet. A second or following coats cannot be applied to a previous coat that has dried otherwise the second or following coats will not be able to penetrate into the substrate as required and dry atop the previous coat/s leaving a cloudy appearance.***

CCS Stain Block should be applied undiluted using a low pressure sprayer, broom, lambs wool or microfibre applicator. If using a low pressure sprayer, ensure that you also work the product into the surface using a lambs wool or microfibre applicator.

**Note:** The concrete must be cured for a minimum of 28 days or when totally uniform in appearance prior to application of CCS Stain Block.

1. Apply the first coat to saturation point and allow sufficient time for penetration, making sure to fill all voids and surface irregularities.

**Note:** If using a low pressure sprayer, ensure that the product is worked into the surface using a lambs wool or microfibre applicator. Should ponding or pooling occur, immediately wipe off excess product or work the product into the surface.

2. Apply a second or subsequent coats whilst the first or previous coats of sealer are still damp (wet on wet) as described in step one (above), again ensuring that no ponding or pooling occurs as this may lead to a patchy appearance and other related issues.
3. On denser surfaces like polished marble, granite and polished porcelain, use a floor squeegee or microfibre mop to remove excess sealer from the surface. To polish the surface, use a dry microfibre applicator or an automatic floor polisher with a white nylon pad.

## CLEAN UP

Wash all equipment in CCS Solvent after use.

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## RECAUTIONS

- CCS Stain Block is not designed as a waterproofing compound.
- Do not thin or dilute.
- Do not apply on damp or wet surfaces or when rain is likely.
- Ensure the sealed surface is protected from moisture for a minimum of six hours after application.
- Always prepare a test area and allow to cure for 24 hours to ensure consumption rates and appearance is acceptable.

## STORAGE

Store between 10°C and 30°C away from direct sunlight. Best used within 12 months from date of manufacture. Partly used containers must be sealed tightly when not in use.

maintenance of a treated surface. General cleaning of the treated surface with household detergent, water and gentle brushing is recommended to maintain treatment serviceability.

Avoid the use of acid or alkaline cleaning materials and aggressive brushing on substrates treated with CCS Stainblock Enricher WB.

## 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.

**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](http://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.