

CCS STAINBLOCK ENRICHER WB

March 2022

DESCRIPTION

CCS Stainblock Enricher WB is a single pack, water-based penetrating sealer that provides excellent stain resistance and repels both water and oil.

CCS Stainblock Enricher WB is designed as a protective sealer to penetrate into the capillaries of porous materials to permanently bond with the substrate render the surface, water and oil repellent. It will also enhance the colour of the substrate. CCS Stainblock Enricher WB is suitable for treating porous coloured masonry substrates such as natural stones, concrete blocks and pavers, concrete driveways, clay bricks, tiles, and grouts and mortars.

CCS Stainblock Enricher WB provides excellent stain resistance against an extensive range of surface contaminants such as oil, coffee, wine, tannin, grease, food and other food colouring stains.

CCS Stainblock Enricher WB is not a film forming sealer or a coating, but penetrates into the substrate and this can significantly darken the surface with minimal change to the surface texture and vapour permeability.

RECOMMENDED USES

- Concrete blocks, pavers & driveways
- Exposed, decorative and full depth colour concrete
- Clay pavers, bricks & tiles
- Grouts & mortars
- Natural stones
- Precast panels

FEATURES AND BENEFITS

Some of the important features and key benefits include:

- Can be used internally and externally
- Excellent resistance to oil & water-based stains
- Darkens surface with minimum change of surface texture
- Penetrates and bonds to the substrate
- Reduces water absorption and algae/mould growth
- Durable protection and wear resistance
- Suitable for porous coloured masonry substrates

PACKAGING

CCS Stainblock Enricher WB is available in 20 litre drums.

PERFORMANCE PROPERTIES

APPEARANCE	White emulsion
COLOUR	Clear when dry, wet look
FINISH	Matt
VOLUME SOLIDS	Approx. 50%
SPECIFIC GRAVITY	Approx. 1.0 @ 20°C
DRYING TIME	2 hours @ 25°C 65% RH
RE-COAT TIME	Wet on wet
FULL CURE	7 days @ 25°C 65% RH

COVERAGE RATES

Coverage is typically 6-10 m²/litre/coat, depending on the permeability of the substrate.

A minimum of 2 coats wet on wet should be applied. For very porous substrates, more coats may be required. However, one coat may be sufficient for very dense substrates such as bluestone, granite and slate.

Determine the consumption and number of coats required by a trial prior to application.

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 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 Stainblock Enricher WB.

All surfaces should be dry and clean before application.

New concrete floors should be at least 28 days old before applying CCS Stainblock Enricher WB.

Mix or shake the product well before use.

Note: A test **MUST** be conducted prior to application of CCS Stainblock Enricher WB to determine and confirm product suitability for the particular purpose.

PRODUCT PREPARATION BEFORE USE

1. Shake container vigorously.
2. Pour quantity to be used into an open top pail.
3. Drill mix for 1 minute.

Stainblock Enricher WB is now ready to apply.

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.

Apply the first coat of CCS Stainblock Enricher WB in a uniform manner by low pressure sprayer to ensure adequate coverage and a smooth even finish. Work sealer into the surface with a broom.

Generally no dilution is recommended, however, for some dense surfaces, a better result may be obtained by diluting the product at 1 part sealer with 1 part deionised water before applying the first coat.

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CCS Stainblock Enricher WB must be applied wet-on-wet. The initial treated surface should be flooded with plenty of sealer to ensure enough sealer is applied. After the 1st coat is absorbed by the surface, the 2nd coat is applied immediately while the surface is still wet. Work sealer into the surface with a broom and then remove any excess sealer which has not been absorbed after 10 minutes or before it has a chance to dry. Do not allow any excess sealer to dry on the surface.

Use a cloth or mop to wipe off the excessive sealer to reveal a homogeneous surface finish. This is to avoid possible surface sheen or a blotchy finish after product is dry. More wet-on-wet applications may be required for very porous substrates.

For dense, smooth, or polished substrates, it may be necessary to polish the surface after product application with a light coloured dry cloth or polish pad to remove excessive sealer and reveal the original finish. This may be done after the surface is touch dry or within a couple of hours after application. Moistening the cloth or polish pad with CCS Stainblock Enricher WB may help in the polishing process. Initial oil and water repellent effect may develop after the surface is touch dry.

Allow the surface to cure for at least 24 hours. Full curing may take up to 7 days or more. Avoid heavy traffic for a minimum 24 hours.

CLEAN UP

Wash application equipment used to apply CCS Stainblock Enricher WB in water and detergent after use.

STORAGE

CCS Stainblock Enricher is a water-based non-dangerous material. Refer to the product material safety data sheet for safe handling and 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. It should be used as soon as possible after opening. This product should not be contaminated with any building materials or any other chemicals. Store in a cool dry place away from water, fire or ignition sources.

PRECAUTIONS

CCS Stainblock Enricher WB penetrates into the substrate capillaries and renders the surface oil & water repellent without blocking the capillaries.

CCS Stainblock Enricher WB sealer is designed to protect the surface against instant staining. However, prolonged contact of contaminants on the treated surface can still penetrate and cause staining. Therefore, it is strongly recommended that any contaminants should be removed immediately from the surface to avoid the possibility of permanent staining. CCS Stainblock Enricher WB sealer will not prevent surface etching or wearing of the substrate surface. It will promote easy cleaning and overall

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.concretocoloursystems.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 no River Sands), is responsible for the procedures relating to the application of the product.