

CCS ULTRA EPOXY WB

Low VOC, Water Based



March 2022

DESCRIPTION

CCS Ultra Epoxy WB is a high performance, two component semi-gloss water based epoxy coating system available in Light Grey and other colours on request. It is classified as a low VOC Epoxy sealer and is manufactured in an APAS approved facility.

CCS Ultra Epoxy WB is designed for internal floor applications where durability and chemical resistance is required.

Should other colours be desired, specially formulated tint bases can be added.

COLOUR

- Light Grey AS N35
- Other colours available on request

APPLICATIONS

- Decorative and flake flooring
- Food / beverage factories and warehouses
- Hospitals
- Shopping centres
- Schools
- Laboratories
- Wash rooms and shower cubicles
- Seamless flooring
- Waterproofing concrete slabs (before floor overlay)

PACKAGING

Ultra Epoxy WB is available in a 10 litre kit consisting of:

- Part A (Base): 5 litres
- Part B (Hardener): 5 litres

COVERAGE RATES

Coverage is typically 5m²-6m² per litre @160-250µmDFT (160-250µmWFT).

TECHNICAL INFORMATION

COVERAGE RATES	1st Coat: 6-7m ² / litre 2nd Coat: 8-10m ² / litre (@ 40-60µm DFT)
VOC CONTENT:	26 grams / litre
SOLVENT RESISTANCE:	Excellent
BACTERIAL RESISTANCE:	Very Good
MIX RATIO:	1:1 by volume (Pack A : Pack B)

Note: At 25 ° C allow 3-5 hours between applying coats. If ambient temperature is below 10 ° C, allow the first coat to dry overnight before applying the second coat.

APPLICATION METHOD

Apply CCS Ultra Epoxy WB with a lambs wool, mohair or max.12mm nap roller, brush or airless sprayer.

PREPARATION

All surfaces to be treated should be structurally sound and 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.

Holes, non-structural cracks and other surface deformities should be repaired using the 1.5 litre CCS Epoxy Repair Kit in accordance with the technical data sheet. New concrete floors should be at least 28 days old before applying CCS Ultra Epoxy WB.

PRIMER COAT

CCS Ultra Epoxy WB Light Grey can be used as a primer coat underneath CCS Ultra Epoxy HB when diluted by 10% with clean water.

FIRST COAT

1. Using a mechanical mixer, premix each individual component (i.e. Part A and Part B) until homogeneous.

Note: Please ensure you always clean the mixer with water between mixing (to eliminate cross contamination and cured product being mixed with new batches).

2. Add Part B (Hardener) to Part A (Base) and mechanically stir for 1-2 minutes. Scrape product downwards from the inside of the container and mechanically stir for a further 1-2 minutes.

Note: Please ensure you clean the mixer thoroughly with water before commencing the next step.

3. Leave material to stand for 2-5 minutes before application and only mix as much as is likely to be used within the pot life of the product.

Note: leaving the mixed epoxy (A+B) in a bucket or confined mixing vessel will greatly reduce the pot life of the product.

Once Part A, Part B and tint are all mixed sufficiently pour mixed epoxy onto the floor for spreading by roller or Squeegee and pour remaining mixed epoxy into a roller tray.

4. Apply the first coat of CCS Ultra Epoxy WB by roller at a rate of 5-6m² per litre.
5. To provide a textured surface that will enhance traction, apply CCS Glass Bead to the first coat of CCS Ultra Epoxy WB whilst still wet. Apply at a heavier rate of 3m²/litre.
6. Allow the first coat to dry for a minimum of five hours. Remove excess glass bead with a broom or an industrial vacuum.

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Creating beautiful spaces

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SECOND COAT

Apply the final coat of CCS Ultra Epoxy WB in a uniform manner.

Note: It is imperative that you use a clean bucket and clean mixer before commencing mixing and application of the second coat. The second coat should be applied at a rate of 7m²-9m² per litre of mixed product.

CLEAN UP

Wash all equipment in water or a water/ detergent mix immediately on completion of application and mixing.

Note: CCS Ultra Epoxy WB will cure under water; hence ensure dirty equipment is not left soaking in water.

CURING TIME

Allow the surface to cure for at least 24 hours before subjecting it to pedestrian traffic, 96 hours before allowing vehicular traffic and 5-7 days before subjecting it to chemicals or severe abrasion.

STORAGE

Store between 10°C and 30°C away from direct sunlight. Partly used containers must be sealed tightly when not in use.

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 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.