

CCS ULTRA EPOXY HB

Solvent Free, Low VOC



Creating beautiful spaces

March 2022

DESCRIPTION

CCS Ultra Epoxy HB is a two component 100% solids, solvent free epoxy coating system for internal concrete floors. It is classified as a low VOC Epoxy sealer and is manufactured in an APAS approved facility.

CCS Ultra Epoxy HB exhibits high water resistance, chemical and oil resistance with ability to build virtually any thickness.

COLOUR

- Black
- Dark Grey
- Light Grey
- Beige
- White

APPLICATIONS

- Food and chemical processing areas
- Warehouse floors
- Polished concrete
- Hospitals and schools
- High traffic areas

PACKAGING

CCS Ultra Epoxy HB is available in a 10 litre pack:

- Part A (Base): 6.5 litres
- Part B (Hardener): 2.5 litres
- Tint: 1 litre

COVERAGE RATES

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

TECHNICAL INFORMATION

SOLIDS:	100% by volume
VOC CONTENT:	55 grams / litre
HEAT RESISTANCE:	Up to 120 °C (dry heat)
SOLVENT RESISTANCE:	Excellent
ABRASION RESISTANCE:	Very Good
RECOAT TIME:	16 hours (minimum)
TOUCH DRY:	6 hours @ 25 °C
TACK DRY:	16 hours @ 25 °C
APAS APPROVAL	E4110
LIMITATIONS:	This product will chalk when continuously exposed to sunlight
FOOD CONTACT SAFE	Per Federal Regulations Code

APPLICATION METHOD

Apply CCS Ultra Epoxy HB with a lambs wool/mohair roller or gauge rake.

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 CCS Epoxy Repair Kit as per the technical data sheet.
- New concrete floors should be at least 28 days old before applying CCS Ultra Epoxy HB. Concrete slabs can be subject to hydrostatic pressure. Consider using CCS Ultra Epoxy Primer / Sealer to seal the concrete prior to the application of CCS Ultra Epoxy HB.

FIRST COAT

1. Using a mechanical mixer, premix each individual component (i.e. Part A and Part B) until homogenous. Note: Please ensure you clean the mixer with CCS Solvent between mixing.
2. Add the Part B (Hardener) to Part A (Base) and mechanically mix for 1-2 minutes. Scrape product downwards from the insides of the container and mechanically stir for a further 1-2 minutes.
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 (i.e. the pot life is approximately 50 minutes at 25 °C (dependant on climatic conditions). To extend pot life place mixed product in an ice bath or place Part B Hardener in a refrigerator for a period to cool it down. Please 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 HB at a rate of 4m²-6m² per litre and allow to dry for a minimum 6-8 hours.

SECOND COAT

Apply the final coat of CCS Ultra Epoxy HB 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.

CLEAN UP

Wash all equipment in CCS Solvent immediately following application and mixing. Hardened material can be removed mechanically.

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.

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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.