

# CCS Ultra Epoxy High Build

## DESCRIPTION

CCS Ultra Epoxy High Build is a two component 100% solids, solvent free epoxy coating system for internal concrete floors.

It has been designed to provide a high level of chemical and abrasion resistance and is both impervious and easily cleaned.

CCS Ultra Epoxy High Build is available in white and clear. Should a colour be desired, specially formulated tint packs can be added to the clear base and are available in the following colours:-

- Beige
- Light Grey
- Mid Grey
- Dark Grey
- Black

## RECOMMENDED USES

- Food and chemical processing areas.
- Warehouse floors.
- Polished concrete (used as an integral component of the CCS Platinum Polished Concrete System).
- Hospitals and schools.
- High traffic areas.

## PACKAGING

CCS Ultra Epoxy High Build is available in 10 and 20 litre kits consisting of:-

### 10 litre kit:-

Part A – Base – 7.5 litres

Part B – Hardener – 2.5 litres.

### 20 litre kit:-

Part A – Base – 15 litres

Part B – Hardener – 5 litres.

### Colour Tint Packs:-

All colours - available in 1 litre tins.

**Note:-** Use a 1 litre colour tint per 10 litres.

Black - available in 500ml tins.

**Note:-** Use 500mls of Black Tint per 10 litres.

## COVERAGE RATES

Coverage is typically 6-8m<sup>2</sup> per litre per coat; however this may vary due to surface texture and porosity of the concrete. A minimum of two coats should be applied.

## APPLICATION METHOD

Apply CCS Ultra Epoxy High Build with a roller, airless sprayer 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, nonstructural 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 High Build.

## FIRST COAT

1. **Using a mechanical mixer**, premix each individual component (ie: Part A and Part B) until homogenous. **Note:-** Please ensure you clean the mixer between mixing.
2. If a colour is desired, add one tint pack (ie:- 1 litre) to the Part A - 7.5 litre Clear Base. If Black is required, mix one 500 ml pack per Part A - 7.5 litre Clear Base.

**Note:-** If using the 20 litre kit, you will need to double the amount of tint required.

3. Stir with a **mechanical mixer** for 1-2 minutes. Then scrape the 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 before commencing the next step.
3. Add the Part B-Hardener to the 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.
4. 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. (ie:- the pot life is approx. 45 minutes, depending on climatic conditions).
5. Apply the first coat of CCS Ultra Epoxy High Build at a rate of 6-8m<sup>2</sup> per litre.
6. To provide a textured surface that will enhance traction, apply CCS Glass Bead to the first coat of CCS Ultra Epoxy High Build whilst still wet. Apply at a heavier rate of 4-5m<sup>2</sup>/litre.
7. Allow the first coat to dry for a minimum of 12 hours then remove excess glass bead with a broom or an industrial vacuum.

## SECOND COAT

Apply the final coat of CCS Ultra Epoxy High Build 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, 72 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.

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **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, inadequate 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 procedures relating to the application of the product.



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