

CCS METALLIC PIGMENTS

March 2022

DESCRIPTION

CCS Metallic Pigments are special effect pigments specifically designed to mimic the natural look of stone and rock through pearlescent and iridescent light scattering effects.

CCS Metallic Pigments are designed to be blended with CCS Ultra Epoxy HB 100% solids epoxy 9L kit and CCS Rapid Floor Polyaspartic Sealer 16L kit for application over most concrete substrates.

CCS Metallic Pigments are low odour, contain no VOC and are designed for use internally. CCS Metallic Pigment packs are ready to use.

FEATURES AND BENEFITS

- Low maintenance system when used with CCS Ultra Epoxy HB or CCS Rapid Floor Polyaspartic Sealer
- Extremely durable coating
- Completely customizable effects
- Stylish, unique design achievable over a range of substrates
- Economical & cost-effective for new installations or renovations
- Multi-dimensional colour hues achievable
- Natural stone appearance
- Easy field blending & installation

RECOMMENDED USES

- Retail precincts
- Offices
- Restaurants
- Hotels
- Showrooms
- Internal and external living areas

PACKAGING

CCS Metallic Pigments are available in 180gram tubs.

COLOURS

There are 10 CCS Metallic Pigment colours available;

- Antique Gold
- Carbon Flash
- Copper Red
- Liquid Pearl
- Magnetic Black
- Molten Bronze
- Old Brass
- Pewter Grey
- Platinum White
- Titanium Silver

COVERAGE

CCS Metallic Pigment is supplied as a 180 gram tub.

A minimum addition rate of 90 grams up to 180 grams can be added per 9 litre kit of CCS Ultra HB Epoxy in order to achieve the metallic pigment effects. When used in conjunction with the 16 litre kit of CCS Rapid Floor Polyaspartic Sealer a minimum of 1 tub (180 grams) up to a maximum of 2 tubs (360 grams) can be added per kit.

An average coverage of approximately 5m²/litre of blended product can be expected subject to the base coat system used, substrate and ambient conditions.

APPLICATION

An opaque pigmented primer/base coat can be applied to serve as a canvas for the translucent CCS metallic pigment coat. It is important to note that the colour of the base coat will influence the overall appearance of the floor since the metallic coat is translucent.

For example, a white or light base coat will create a lighter final appearance than a black or darker base coat, which will darken the metallic look.

Note: A generous sized sample should be completed in a nonconspicuous space of the intended substrate. This area may be an area to be covered with cabinetry, equipment or an alternative floor covering. CCS recommend the sample be completed by the chosen applicator using the application tools and techniques that will be used to complete the intended project.

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 1.5L Kit as per the technical data sheet.

New concrete floors should be at least 28 days old before applying these coatings.

PRIMER COAT

Apply a single coat of CCS Ultra Epoxy Primer/Sealer WB as per the TDS and allow to dry for 2 hours.

FIRST BASE COAT

1. Using a mechanical mixer, premix each individual component (i.e. Part A and Part B) of CCS Ultra Epoxy HB or CCS Rapid Floor Polyaspartic Sealer until homogenous.

Note: Please ensure you clean the mixer in between mixing parts A and parts B.

2. If a coloured basecoat is desired, add 1 litre tint pack to the part A of CCS Ultra Epoxy HB 9L kit or 2 x 1L tint packs to the Part A of CCS Rapid Floor Polyaspartic Sealer and stir with a mechanical mixer for 1-2 minutes, scraping the product downwards from the inside of the container and then 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.

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. (i.e. the pot life is approx. 30-40minutes, depending on climatic conditions and if measured correctly).

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5. Apply the first coat of CCS Ultra Epoxy HB or CCS Rapid Floor Polyaspartic Sealer at a rate of 4-5m² per coat by lambswool or mohair roller.

6. Allow the first coat to dry for a minimum of 3 to 8 hours before applying the metallic coloured coat.

SECOND COAT

Add the appropriate amount of CCS Metallic Pigment to the kit being used e.g. 90 to 360 grams to the part A clear base dependant on the coating system being used.

Stir with a mechanical mixer for 1-2 minutes, scraping the product downwards from the inside of the container and then mechanically stir for a further 1-2 minutes.

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

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.

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 approx. 30-40 minutes, depending on climatic conditions).

Application is best achieved using a clean steel trowel or steel squeegee to ensure the product evenly coats the substrate. After the coating is evenly spread over the surface, backroll with a lint-free roller cover to ensure even coverage.

Once the coating evenly covers the substrate/primer/ basecoat, it is time to freely swirl the roller in a random figure-eight motion to mimic the look of natural stone or rock formations.

As a further creative technique, denatured alcohol or acetone may also be randomly applied over the surface to create other unique metallic effects or fish eye effect.

TOP CLEAR COAT

For increased durability a top clear coat is recommended such as CCS Rapid Floor Polyaspartic Sealer or CCS Decrathane.

CLEAN UP

Wash all equipment in CCS Solvent immediately following application and mixing. Hardened material should 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

The CCS Metallic Pigments should be kept in a dry, cool location. The shelf life of the product in an unopened original container is 18 months.

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.