

**Through Colour,
Comes Life!**

CCS Concrete Colour Palette



**CONCRETE
COLOUR
SYSTEMS**

Better colours and coatings

PROTECT AND ENHANCE YOUR PROJECT WITH A CCS SEALER

Specify the *Penetrating Sealers* where a natural raw look is desired.

Alternatively, specify a *Surface Coating Sealer* for full surface protection and a deeper colour enhancement.



PENETRATING SEALERS FOR RETAINING THE RAW NATURAL LOOK



CCS Stainblock Enricher – water based

Provides the best of all worlds. It provides great resistance to oil and water, enhances the colour, but doesn't alter the slip resistance of the surface texture.



CCS Streetscape – water based

A more economical version of CCS Stain Block without any colour enhancing properties.



CCS Stain Block - for optimum penetration

The formulation of this premium sealer is unique and is designed to penetrate to greater levels than the above two CCS sealers. It is ideal for dense concrete surfaces and natural stone such as travertine, granite and sandstone.

Depiction of the subtle effect 'penetrating' sealers have on surface colour.



NO SEALER CCS STREETScape CCS STAINBLOCK ENRICHER CCS STAIN BLOCK

These examples show the same coloured concrete before (far left) and after treatment with each of the three penetrating sealers.

SURFACE COATING SEALER



CCS Armourthane

A very tough, high solids solvent based polyurethane. It provides excellent wear and chemical resistance on all light commercial flooring type applications.



CCS Decrathane Gloss

A water based version of CCS Armourthane, with a reduced effect on surface colour enhancement.



CCS Hi-Build Enduro Acrylic Sealer

An all purpose economical sealer with good gloss retention. Best suited to residential type applications or on commercial jobs, where a low cost, relatively simple surface protection is required.

Depiction of the more noticeable effect 'coating' sealers have on surface colour.



NO SEALER CCS ARMOURTHANE CCS DECRATHANE CCS HI-BUILD ENDURO

These examples show the same coloured concrete before (far left) and after treatment with each of the three surface coating sealers.

THE PHYSICAL DIFFERENCE BETWEEN A 'PENETRATING' AND A 'SURFACE' SEALER

The penetrating sealers 'sink' into and cover the inside of the pores of the concrete.



MICROSCOPIC CLOSE UP OF CONCRETE SURFACE USING A PENETRATING SEALER

A film forming sealer covers the whole surface area.



MICROSCOPIC CLOSE UP OF CONCRETE SURFACE USING A FILM FORMING SEALER

A COATING WHERE RAPID RETURN OF FLOOR TO SERVICE IS REQUIRED



CCS Rapid Floor Polyaspartic Sealer

This 87% solids, extremely tough, low odour product is purpose designed for coating commercial floors where return to service time is paramount. The product is tack free within 45 minutes of application, it can be walked on after three hours and the floor can be returned to pedestrian service by the next day.



GENERATING GREAT PROJECT OUTCOMES

In partnership with the leading concrete manufacturers and specifiers, CCS has provided the colour component to iconic projects around Australia since 1994. With excellent pigments and comprehensive technical support, concrete suppliers and specifiers know that they can rely on CCS to generate great project outcomes.

Please contact the CCS team if you require advice on any aspect of creating highly appealing decorative concrete.



High strength pigments made to endure

Only pure, high-tint strength, long lasting pigments are used to create CCS Pigment Concentrates.

CCS Pigments consist of blends of synthetic iron oxides, titanium dioxides, chrome oxides and cobalt aluminium with maximum resistance to UV light and the aggressive alkaline conditions in concrete. They are manufactured in accordance with a Quality System certified to ISO 9001 and conform to the relevant world standards for pigments.



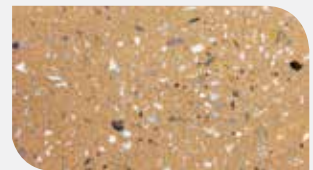
Mix and match different surface finishes for contrast and greater interest

When the concrete surface is purposely removed in creating honed or exposed aggregate finishes, the sands and stones used in the mixture have a significant bearing on the final coloured appearance.

Consequently a relatively easy way to create greater contrast whilst using a single pigment colour, is to vary the surface finish.



TROWELLED SURFACE FINISH WITH
CCS CARAMEL



EXPOSED AGGREGATE FINISH WITH
CCS CARAMEL

This effect is demonstrated above where the same colour was used to create a trowel finish on the left, and on the right – where the surface was subsequently exposed.

Three tones of black to choose from



A pathway where CCS Gothic Blue was used



CCS GOTHIC BLUE



CCS ZEUS



CCS BLACK 44

CCS offer the choice of an elegant blue black, a warm brownish black tone and a neutral shade.

By varying the quantity added to each cubic metre of concrete, further tonal differences or contrasts can be generated on your project.

Access special colours with CCS

The CCS colour lab is equipped to provide custom concrete colours for architectural requirements. Simply forward us a sample of your desired colour outcome (such as paint swatch, tile or paver), and our technicians will match it for you.

Due to production equipment limitations, please note that there is a minimum order requirement of 500kg of pigment (suitable for approximately 500m² of concrete) for 'special' colours.

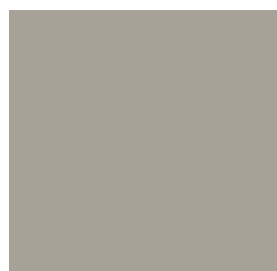


A sample drawer from the library of custom colours at the CCS laboratory.

RICH PIGMENT BLENDS



CCS BLUE GUM 3%



CCS GHOST GUM 3%



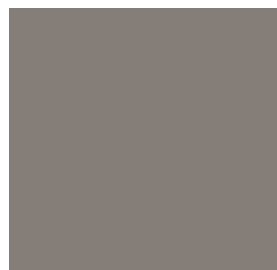
CCS ALPINE 6%



CCS SMOKEY BLUE 3%



CCS JAZZ 3%



CCS ONYX 44 3%



CCS APOLLO 8%



CCS GOTHIC BLUE 6%



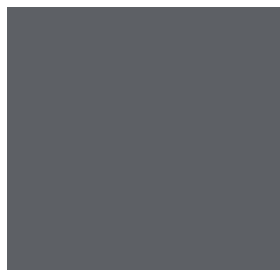
CCS ZEUS 6%



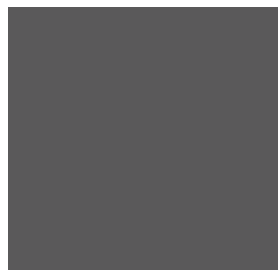
CCS BLACK 44 6%



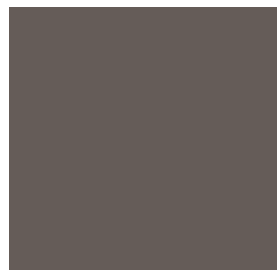
CCS PEWTER 6%



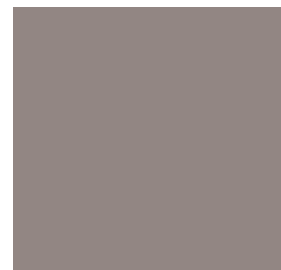
CCS VODOO 87 8%



CCS STALLION 8%



CCS OBSIDIAN 8%



CCS BOULDER 3%

Suggested Specification

Grey concrete is to be integrally coloured with Concrete Colour Systems CCS < colour name > at the dose rate of _____ % (refer to swatch) per cementitious content. Create surface texture using a broom (or nominate alternative finish). Cure with Australian Standards compliant CCS Slab Clad R curing compound or a used wet hessian cloth. At the completion of the curing period, remove dirt and remnants of the curing compound with CCS HD Degreaser. Rinse, allow to concrete to completely dry.

Application of Sealer (Specifier to nominate if a penetrating or surface coating sealer is desired)

Coat concrete with < CCS Stain Block / Stainblock Enricher / Streetscape > penetrating sealer.

(refer to sealer page and nominate your preferred sealer)

Alternatively

Coat concrete with < CCS Hi-Build Acrylic / Decrathane / Armourthane > surface coating sealer.

(refer to sealer page and nominate your preferred sealer)

Sealers should be applied in accordance with the product technical data sheets. For more information regarding the placement of coloured concrete, please refer to our "Guidelines for Integrally Coloured Concrete" available at www.concretcoloursystems.com.au

FOR FULL DEPTH COLOURED CONCRETE



CCS PEBBLE 3%



CCS SUNDANCE 6%



CCS DRIFTWOOD 4%



CCS PISTACHIO 3%



CCS POMPEI ASH 3%



CCS KALGOORLIE 3%



CCS BRAZIL NUT 3%



CCS ECHIDNA 3%



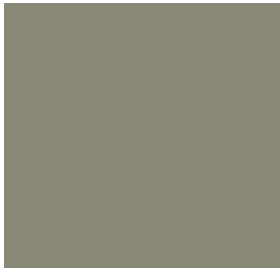
CCS DROVER'S DUST 3%



CCS CARAMEL 4%



CCS BILBY 3%



CCS RHINO 3%



CCS LIZARD SKIN 6%



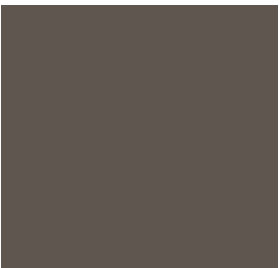
CCS KALAHARI 3%



CCS MULBERRY 4%



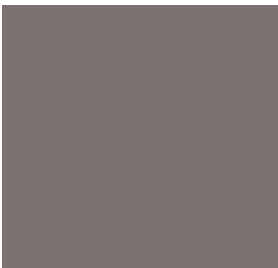
CCS IGUANA 3%



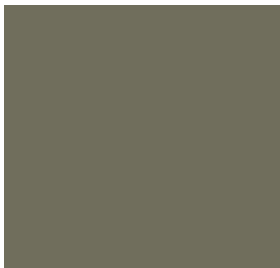
CCS WALNUT 6%



CCS PRAIRIE 3%



CCS GRAPE 6%



CCS CACTUS 6%

ETE



CCS CITRUS CREAM 3%



CCS TERRACOTTA 6%



CCS ARTICHOKE 3%



CCS CORK 3%



CCS CANVAS 3%



CCS BRICK RED 6%



CCS MOSS GREEN 6%



CCS MOCHACHINO 3%



CCS BEE'S WAX 3%



CCS RUBY 6%



CCS KAKADU 6%



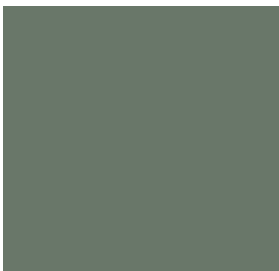
CCS DESERT SAND 3%



CCS GOLDEN BRONZE 4%



CCS REDWOOD 6%



CCS JUNGLE 6%



CCS RATTAN 4%



CCS LIMESTONE 3%



CCS CHOCOLATE 6%



CCS COBALT BLUE 3%



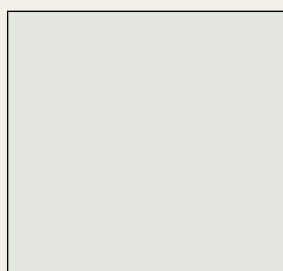
CCS HONEYCOMB 4%



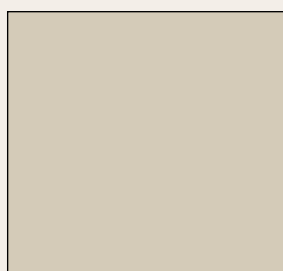
CCS PAPERBARK 3%



CCS RAFFIA BEIGE 6%



CCS SNOW 4%
IN OFF WHITE CEMENT



CCS BUTTERMILK 3%
IN OFF WHITE CEMENT

OFF WHITE CEMENT COLOURS

How to use this colour card in order to receive your nominated concrete colour

Each of the enclosed colour swatches were matched to real life samples of concrete.

All you need to do, is advise your concrete producer, builder or decorative concrete placer which CCS Colour you desire – and refer them to this colour card.

The concrete producer will liaise with CCS to arrange for the necessary amount of the nominated colour to achieve the correct percentage dose to be delivered to the concrete plant closest to your job site.

The concrete producer will add the pigment in bags (typically 9-12kg in weight) to a special concrete mix recipe designed for decorative concrete.

The preweighed and preformulated bags of CCS pigment will be added to the concrete mixer at the plant in the percentage dose as listed under the colour swatch.

Once mixing is completed, the coloured concrete will then be delivered to your job site for laying by an experienced decorative concrete placer.



CCS GOLDEN BRONZE 4%



Possible variations between colour swatches and final concrete colour

The enclosed colour swatches were accurately matched to laboratory manufactured concrete samples using the prescribed addition rate of bags of CCS Pigment per cubic metre of concrete.

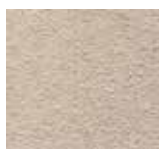
As coloured concrete is an applied finish, slight variations in colour between the colour swatches and the actual concrete is to be expected. The key reason being the variations in the colour of local sands, aggregates and cement that is unique or native to the location of your concrete company in the various states of Australia. Other critical reasons include finishing techniques used to place the concrete and environmental conditions when the coloured concrete is placed.

Consequently, where it is essential that foreknowledge of the final colour is needed, a representative job site sample should be prepared prior to the start of the actual job. The site sample should be created using the intended raw materials, finishing techniques and desired sealer by the preferred contractor.

This sample should then be reviewed and approved once the sample has cured for 14 -28 days.

CCS Graffiti Guard Sealer – water based with a natural appearance

CCS Graffiti Guard provides excellent resistance to the staining of graffiti on walling or façade applications. Water based, low odour and purpose designed for decorative concrete, it provides a relatively natural looking coating which has a minimal impact on the raw aesthetic of concrete.



NO SEALER



CCS GRAFFITI
GUARD SEALER



CCS CONCRETE GRAFFITI GUARD
MAKES GRAFFITI REMOVAL EASY



LEAVES CONCRETE
LOOKING LIKE NEW AFTER
GRAFFITI REMOVAL

If in the unfortunate event that graffiti occurs, the CCS Graffiti remover product provides effective assistance for rapid removal of contaminants.

Further information

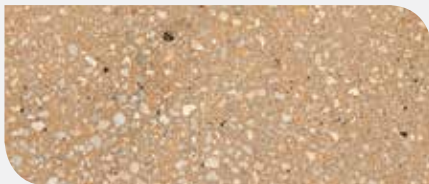
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POPULAR SURFACE FINISHES FOR CREATING OR ENHANCING THE CHARACTER AND FEEL OF DECORATIVE CONCRETE



ROCK SALT

A pitted or 'volcanic stone' look is created with CCS imprint mats or by adding 10mm grains of rock salt to the wet surface.



HONED CONCRETE

Removes the surface layer by grinding, revealing a smooth, high end, polished concrete finish.



TEXTURED IMPRINT MATS

Large stamping mats that can be pressed into wet concrete to create unique patterns and designs.



POLISHED CONCRETE

The concrete surface is mechanically honed and then polished using fine abrasives. The surface result is extremely smooth, glossy and reflective.



COVING TROWEL

The use of a coving trowel to finish concrete creates a timeless surface to areas requiring additional texture.



SAW CUTS OR GROOVED LINES

Create geometric patterns with grooved joint lines in wet concrete, or by cutting the surface with a concrete saw once it has cured.



MACHINE TROWEL

A smooth 'polished' appearance. Please note that this technique may create slight variations in colour and will not show aggregate.



ARTISTIC CREATIONS

Objects such as plants can be placed in wet concrete and removed once it has cured, to leave beautiful base relief imprints.



SAND BLASTING

Ideal for embedding symbols, logos or unique patterns, this method removes the top layer of the cured concrete to reveal a sandy finish.



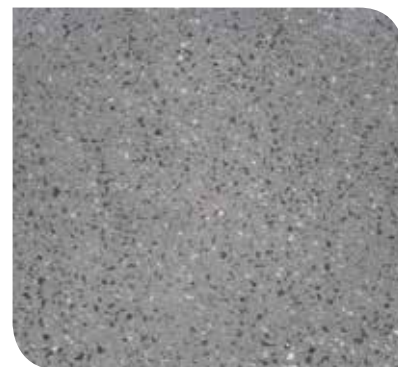
BROOM FINISHES

Broom finishes create a textured, lineal appearance for areas requiring additional surface texture.

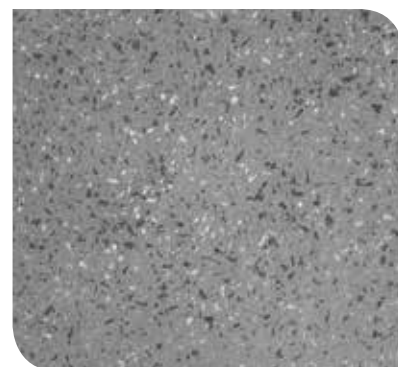
Specify your preferred level of aggregate 'exposure'

By applying one of the two types of CCS Pro X-Pose immediately after trowelling wet concrete, you can achieve a predictable and repeatable level of 'aggregate exposure'.

A 'sandpaper' type finish can be achieved with CCS Pro X-Pose 0.5mm, while greater aggregate exposure similar to light sandblasting can be achieved with CCS Pro X-Pose 1.0mm.



CCS Pro X-pose 0.5mm coarse sandpaper finish



CCS Pro X-pose 1.0mm light sandblasted finish



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www.concretecoloursystems.com.au

TECHNICAL HELPLINE 1800 077 744
FOR ALL STATES

DIRECT NUMBERS FOR KEY DESPATCH CENTRES

BRISBANE	07 3412 8111
SYDNEY	02 9677 1056
MELBOURNE	03 9311 9225

YOUR CONCRETE SUPPLIER IS