



A Division of RIVER SANDS Pty Ltd

ACN 009 919 215
ABN 41 009 919 215

CCS PIGMENT CONCENTRATES

Full Depth Colour for New Concrete Projects

CCS Pigment Concentrates are ideal for colouring any new concrete project where a full depth colour finish is required.

Pedestrian malls, bikeways, roadways, interior house slabs, driveways and exposed aggregate finishes can all be coloured with CCS Pigment Concentrates.

As the full 100mm depth of concrete is tinted, long term colour performance is maintained even if the surface layer is worn, chipped or damaged.

High Tinting Strength Pigments With Maximum Weather Resistance

Only fine particle synthetic powder pigments with high tinting strength and maximum resistance to UV light are used in CCS Pigment Concentrates.

These Pigment Concentrates are combinations of synthetic iron oxides, titanium dioxides, chrome oxides, cobalt aluminium spinel and Carbofin pigments.

These fine particle pigments are well proven and are weather resistant, lightfast and stable in concrete.

This ensures a rich concrete colour is generated that will withstand the aggressive effects of weather over time.

Pre-weighed Pigment Concentrate For Accurate Batching

CCS pigment concentrates are preweighed at our Carbrook plant in lots sufficient for colouring one cubic metre of concrete.

The quantity of pigment in each bag varies depending on the colour required and the strength of the concrete mix. This eliminates the need for concrete producers to weigh pigment at their site and minimises the chances of batching errors.

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Soluble Bags for Clean and Accurate Addition

CCS Pigments are packed in unique water soluble bags for clean and easy mixing at the concrete plant. They dissolve on contact with moisture ensuring fast and full dispersion of colour within the agitator bowl.

Admixtures

As minimal additives are used in CCS colours, the concrete designer is free to specify and use the admixtures familiar to and proven in the concrete suppliers materials.

These admixtures should be added at the batching plant at the usual dosage and in the usual manner.

Custom Colour Matching Service

In addition to the samples shown in our colour chart special pigment blends can be formulated to match your own particular colour requirements.

Samples of the desired colour should be forwarded to our Brisbane office for colour matching in our NATA registered laboratory. A period of 4-5 working days is required for colour matching.

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Instructions For Use

Batching

1. Open paper bag and remove plastic bag packed with pigment. The plastic bag is soluble in water.
2. Add water soluble plastic bag full of pigment to the concrete mixer in conjunction with water and aggregate.
3. Once sufficient bags have been added to the concrete mixer, allow the mixer to turn for 5-10 minutes.
4. Ensure the same water cement ratio and raw materials are used for each load of concrete of the same colour.

Placement

Place and consolidate all coloured concrete over a well drained and consolidated subgrade.

The concrete slump should be kept consistent at 100mm or less and should not exceed 125mm for any load.

No water should be added after a portion of the load has been discharged.

Finishing

For colour uniformity, consistent finishing practices should be used.

Do not add water to the concrete while placing or finishing or overtrowel, as this will cause discolouration.

All final hand finishing should be done in the same direction.

To prevent surface blemishing do not cure with plastic sheeting or intermittent wetting and drying.

To assist with curing, apply two coats of CCS Same Day Sealer after surface water has evaporated.

This special sealer penetrates into the concrete pores and in so doing minimises the flow of free limes to the surface. This prevents the white blushing effect called efflorescence.

It also protects the concrete surface from the ingress of dirt and grease.

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