ROCK-BOND

ROCKBOND SCP LTD

FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

Newton's Farm Estate, Wissington, Nayland, Suffolk.CO6 4LX, England
Telephone: 01206 2651126 Email: info@rockbond.co.uk
www.rockbond.co.uk

ROCKBOND CONCRETE PIGMENT POWDERS

DESCRIPTION:

ROCKBOND CONCRETE PIGMENT POWDERS (RB CPP) are a range of carefully selected, naturally occurring mineral ores and metal oxides that have been finely ground and specially manufactured to colour Portland cementitious materials. The pigments, when mixed with cement and water, brighten up and enhance the appearance of precast concrete products and site batched mortars, renders and concretes used in building and construction. The powders are available in a range of different colours, are ready to use, are supplied to order in moisture proof, durable bags and have an indefinite shelf life.

SPECIAL PROPERTIES:

* Specially designed for use with Portland cementitious materials.
* Compatible with aluminous cements, pozzolanic cements and hydrated lime.
* Alkali resistant, permanent, colour fast, and will not fade with time.
* Available in a range of attractive colours.
* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.
* Long lasting shelf life of 5 years or more when bags are stored in a cool, dry and dark place

USES:

+ To colour and enhance the appearance of cement, mortar, render and concrete.
+ To pigment cementitious repair materials to colour match adjacent areas of concrete.
+ In situations where pigmented mortars improve the appearance of brickwork, blockwork, and for the use with concrete and concrete structures.
+ To colour precast concrete products, castings, furniture, countertops, worktops, statues, garden ornaments and artifacts.
+ To produce coloured and ascetically pleasing construction materials.
+ To brighten up grey, dark or dull concrete.

MIXING INSTRUCTIONS:

ROCKBOND CONCRETE PIGMENT (RB CP) powders can be pre-mixed with the cement or dispersed in the mix water. The dosage rate is normally 1% to 2.5% by weight of cement contained in the mix: 1kg to 2.5kg of a ROCKBOND CONCRETE PIGMENT per 100kg of cement powder.

However, the dosage rate will depend on the pigment, the depth of colour required, the composition of the cement and to a certain extent on the colour of the sand and aggregate used in the mix. Trials should be carried out to determine the required dosage.

Use a ROCKBOND CONCRETE STIRRER (RB CS), an electric power tool (1kW), and a ROCKBOND 25 litre mixing container (RB 25LMC) to mix the materials. For the mixing of larger amounts of material, use a ROCKBOND FORCED ACTION PAN MIXER 120 LITRE (RB FAPM120)

Add the appropriate amount of pigment to the mix water, and let the powder disperse. Add the remaining ingredients of the mix, and mix until homogeneous.

Registered Office: Newton's Farm Estate, Wissington, Nayland, Suffolk, CO6 4LX
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ROCKBOND CONCRETE PIGMENTS (RB CPS) CONTINUED...

APPLICATION PROCEDURE:

For concrete, mortar and render repairs: careful and proper preparation of the substrate is essential if a successful material is to be placed.

Completely abrade the surface where appropriate to remove contamination, and to produce a sound substrate with a good mechanical key. Vacuum clean or blow away all dust and debris.

On weak, friable or porous substrates, use ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate, strengthen and seal the surface. With a brush or a soft broom, brush the latex completely and evenly over the surface. Work the latex well into the substrate. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the repair area. Brush out any puddles, and let the latex dry out, usually 15 to 30 minutes depending on conditions.

To prime the substrate and to enhance the bond, apply a second coat of the latex to the first coat. Normally, 1 litre of the ROCKBOND PRIMER LATEX will treat 5m² of concrete surface with a two coat application. Substrate surfaces without the use of the Rockbond Primer Latex should be wet.

Once the material is in place and has gained sufficient strength, apply ROCKBOND CURE (RB C) at the rate of 10m²/litre. During adverse curing conditions, repeat the procedure.

HEALTH, SAFETY AND STORAGE:

ROCKBOND CONCRETE PIGMENT (RB CP) powders are non toxic and safe to use. However, use the same precautions as with any cementitious product: wear goggles, protective clothing and a dust mask while mixing and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

TECHNICAL DATA:

Normally, the dosage rate of the pigment is 1kg to 2.5kg per 100kg of the total cement contained in the mix. For a deeper darker colour, mix 5% pigment by weight of total cement.

FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

Gilbert Cox BSc,
Technical Director,
Rockbond SCP Ltd.,
Newton's Farm Estate,
Wissington, Nayland,
Suffolk, CO6 4LX, England

Telephone: 01206 265116,

Email: info@rockbond.co.uk
Website: www.rockbond.co.uk

https://rockbond.co.uk/wp-content/uploads/2021/11/PL12_2_1_1_Rockbond_Concrete_Pigment_Powders_CPP_October_2021.pdf

IMPORTANT NOTE:

ROCKBOND SCP LTD provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

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