

PRODUCT DATA SHEET

Color Crete 200



Premixed, Dry Shake, colored, Concrete Floor Hardener

Description

Color Crete 200 is premixed powder color hardener, ready to use over freshly poured concrete substrate on interior and exterior floors. Color Crete 200 is specially used to Create colored, textured & stamped concrete design floors where it provides smooth, hardened non-dusting surface with the color and texture effects of the choice. It is developed with fine Silica aggregates, and UV resistant, non-fading pigments. Color Crete 200 is the ideal treatment for decorative concrete surfaces on interior or exterior surfaces such as pool decks, restaurants, playgrounds, walkways, gardens, corniches, driveway, workshops, power stations, shipyards, Car wash, warehouses, industrial, commercial, and residential interior concrete floors.

Property Profile

Color Crete 200 is ready to use. because of its special aggregate ,it delays the dusting of the areas, and it protects against the beats. Color Crete 200 is trowel floated into freshly poured concrete to produce high performance non dusting and wearing concrete floor, which much more stone than the original concrete itself. It also allows the new concrete to achieve higher strength specially for the top surface of the floor finished using Color Crete 200. Various designs and textures of stone, bricks and tiles can be created using release agent and texture mats. Some other textures that can be created without the use of stamping mats are broomed, scratch, swirl and sand blasted finish

Working Direction

When the main concrete is dry enough to be walked on, Color Crete 200 will be disposed on the surface according to the application rate, the product will be sprinkled with hand or special machines on the whole surface. In powder state Color Crete 200 must be sprinkled in a best fit distance so that the aggregates are separated. The homogeneously sprinkled Color Crete 200 to the whole surface of the concrete must first be fixed with a fixing trowel and then will be applied to the whole area.

Application Rate

3.5-5 kg/m² (based on the final strength and finishing requirement)

Application Guidelines

Concrete should not segregate and bleed or contain more than 3% air. When applying to micro silica concrete special care must be taken to ensure the dry shake is applied at the correct time. Screeds to which Color Crete 200 is to be applied, should have a minimum thickness of 75 mm. Following placement, concrete should be levelled off with a straightedge and then vibrated. The surface is then floated with a wooden float ensuring that it is not closed. Any bleed water should be removed. (Avoid sponge type absorbents). Thereafter sprinkle Color Crete 200 along edges of bays (approx. 80 mm strips) where expansion and construction joints will be located. Float into surface using a wooden float. Color Crete 200 is ideally applied to a surface which is neither too wet nor too dry. Ambient temperatures will dictate when the material is to be applied. Generally, in temperatures of 35-45°C a waiting period of 30-40 mins is recommended. This may need to be extended in temperatures of less than 35°C.

Broadcasting

The material is broadcast by hand onto the wet concrete surface. The application is carried out in two stages.

- Apply two thirds of the required material to the concrete ensuring uniform distribution.
- Allow applied material to absorb moisture from the concrete surface; a uniform darker color will be apparent.
- Using a wooden float, float Color Crete 200 into the concrete ensuring material becomes an integral part of the surface.
- Apply the balance of material. Again, wait until material has obtained a darker color before floating with a wooden float.
- When surface is sufficiently firm enough to take the weight of a man leaving only minor indentations, Color Crete 200 should be finished off by means of a power trowel. A smooth slip resistant finish can be obtained, but the surface should not be overworked.
- If manual finishing with steel trowels is to be undertaken, this should take place before concrete becomes firm enough to take foot traffic.

Safety, ecology and disposal

Avoid contact with skin and eyes. Use protective gloves, clothing and goggles. For more information, please refer to Product Safety Information Form. (MSDS)

Our recommendations concerning the technical application of the product, whether through oral or written communication or through demonstration, are given to the best of our current knowledge; however, any such instruction shall be without commitment, including where any protective rights of third parties are involved. They do not free you of the obligation to check the products supplied by us for their suitability for the procedures and applications envisaged. The (intended) use and application of the products are beyond our control. They are therefore your personal responsibility. In the event that GAC proves liable, such liability shall be limited in all cases of damage to a sum not exceeding the actual value of the goods supplied by us and used by you. It goes without saying that we guarantee the good quality of our products, in accordance with the standards set out in our General Terms of Sale and Delivery.

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Characteristic Data

Aggregate Hardness	7 moh
Aggregate size	0.3-1.2 mm
Shape of Aggregate	Spherical
Structure	Special selected silica aggregates, UV resistant non-fading pigment and special additives.
Density	1.8 kg/dm³
Color	Grey, Red, Green, Yellow and Anthracite (Black) and Other.

Packing & Shelf-Life

Packaging	35 kg paper bags.
Storing	Approximately 12 months in original closed sacks on wood pallets, without any moisture

Curing

Curing should be carried out immediately after the final troweling operation has been completed. This can be done by either covering with polyethylene sheets or by the application of curing compound. The use of GAC Curing Agent at a rate of 1 L/ 5m2 is recommended. Further advice on the correct selection of curing compounds will be provided by GAC Solutions Technical Services Department as these may differ depending on the type of subsequent treatment to be applied.

Notes, Watch Points

On the floors that Color Crete 200 will be applied, the main concrete must be C25 or C35 dose class. The concrete consistency is very important and must be attended. In the low consistency concretes the surface hardener will not take the water for the reaction inside its structure, and because the reaction does not occur there won't be enough hardening, but in the high consisted concretes because the product will sink into the concrete the desired result will not be carried. The concrete surface that will be aggregate applied must be fixed with steel trowel or tray and with only a wood trowel adjusted. In order to react quickly and not the water to loosen, it is better to sprinkle a bit of water to the surface and the surface must be closed with folie or telis cloth. Another method is for this kind of the coverings is a special cure product CureCrete-A to use and the necessary conservation will be done to be extended in temperatures of less than 35°C.

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