

VIRACRETE 500

Integral Color Admixture for Concrete

Description

VIRACRETE 500 is a ready to use UV resistant color concrete admixture. It is used for ready mixed and precast concrete projects.

VIRACRETE 500 is manufactured with quality synthetic iron oxide pigments, it is ideal economical choice for flatwork and vertical integral color applications.

Features & Benefits

- Easy to use.
- High UV Resistant, excellent durability.
- Available in wide range of colors.
- Ideal for interior and exterior applications.

Uses

VIRACRETE 500 is ready to use directly as an additive to concrete or any cement mixes to give durable UV resistant color finishing. It can be used in both flatwork and vertical concrete applications.

VIRACRETE 500 is ideal solution in stamp concrete work, sandblast and exposed aggregates concrete surfaces to produce non-ordinary concrete surfaces with touch of Art.

Application Procedures

Surface preparation:

At the time of concreting, the sub-grade should be moist, consolidated completely, and free from frost. Avoid applying the concrete on substrate has standing water. For Sand or soil substrates, it is strongly recommended to spread 1mm polyethylene sheet before applying the concrete slab.

Application Instructions:

The concrete should not have water ratio more than 0.55 and the slump should not exceed 10cm. extra water could cause concrete bleeding which produce non-uniform color. Ensure the used aggregate are clean and free of other particles. Calcium chloride admixture may cause salt deposits, avoid using in colored concrete. Use same source of cement in all batches since changing the source of cement may effect on the consistency of concrete color.

The mixing drum must be cleaned, and approximately two-thirds of the mix water and one-half of the aggregates needed should be added to the drum. The proper quantity of VIRACRETE 500 color should be added to the drum and allowed to mix at a full charging speed for three- to five-minutes or and pigment is distributed evenly.

Add the remaining ingredients (water, aggregates, cement and admixtures) and mix at a full charging speed for 8-10 minutes (80-100 revolutions). If using ready mix truck, add the entire content of VIRACRETE 500 package into the concrete mix and allow for 10 minutes mixing to ensure proper mixing.

If fiber reinforcement is part of the mix, ensure to add the fiber after the color pigment has been dispersed.

The concrete should be placed and consolidated to fill all the space inside the forms. Ensure continues work with complete finishing using vibrators or other compacting tools. The concrete surface can be finish by using stamped/ textured, troweled , exposed aggregate or any other appealing textures.

Curing:

Concrete should be cured in accordance with proper standards. The use of one of SBI curing agents is recommended.

Sealing:

To protect the concrete surface and bring out the color design, it is strongly recommended to seal the surface with one of SBI **TOPSEAL** products. Refer to the products data sheet for method of application.

Cleaning:

Clean hands, tools and equipment with clean water.

Yield/ Coverage

One bag of **VIRACRETE 500** per cubic meter of concrete, it is strongly recommended to prepare sample for color approval before start site work.

Packaging

VIRACRETE 500 is available in 35 kg bags.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

REV 00-11003

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