Color Crete 300
TECHNICAL DATA SHEET

Antique Release Agent

Description

Color Crete 300 Antique Release Agent is a colored, powdered bond breaker designed for the prevention of the bonding of concrete paste or topping material to the texturing tools and rollers during imprinting operations for the production of stamped concrete and overlay finishes. Color Crete 300 is applied over the surface of the freshly poured concrete or topping just prior to the texturing operation, forming an isolation and bond breaking layer between the texturing tools and the concrete or topping material.

Uses

Used on integrally colored concrete or in conjunction with Color Crete 200 Color Hardener, Color Crete 300 is broadcast over the surface of freshly poured concrete just prior to texturing the surface with polyurethane mats or rollers to prevent the adhesion and buildup of concrete to the texturing tool. During this process, a portion of the antique release is embedded into the surface of the concrete. After the concrete is hardened and washed, the resulting surface will partly retain the color of the antique release, thereby giving a variegated and antiqued coloring effect, depending on the variation of the color between the release agent and the concrete surface or color hardener. Color Crete 300 may also be used in a variety of color on a single surface to create various highlights and antiquing effects. For best results and color intensity, it is recommended to treat the surface of the concrete with Color Crete 200 Color Hardener. Color Crete 300 is also suitable for use with stampable toppings such as Color Crete 700 Stampable Overlay, and is ideal for texturing plasters and renders such as Deco Crete to create faux rockwork and slate finishes on vertical surfaces

Advantages

- Excellent bond breaking properties.
- Easy to use powder.
- Streak free and fade resistant.
- Available in 40 standard & custom colors

Limitations

Color Crete 300 must not be used as the primary coloring agent; it should be used in combination with a color hardener such as Color Crete 200 Color Hardener or on concrete treated with Color Crete 500 Integral Color. Color Crete 300 must be applied over freshly poured concrete while it is in the plastic stage, but after the color hardener has been applied and the surface has been troweled. Do not trowel into the surface of the concrete or topping. The antiquing and color mottling effect of Color Crete 300 depends on the application and removal technique, experience with the use of the material, timing, type and depth of texturing tool used, sealing, and weather conditions. Application of an inadequate amount of Color Crete 300 will lead to adhesion between the texturing tool and the concrete surface, while over application of Color Crete 300 will hinder the imprinting operation and diminish some of the texture details. Avoid application during windy conditions as Color Crete 300 is a very fine powder and wind conditions will severely affect its application; construct wind breakers where possible. Application of a sealer is necessary to lock in the antiquing effect of Color Crete 300 as the bond between it and the concrete to topping surface is mechanical, not chemical. Periodic maintenance of the sealer coat is essential to preservation of the coloring effect.

Application Guidelines

Before applying Color Crete 300, protect all surfaces where color is not desired. Surrounding areas and adjacent surfaces must be adequately protected. Keep the surrounding areas clean as it will be very difficult to clean and remove from other finished works. Use of Tape to mask surrounding areas is recommended. All concrete finishers and all near-by personnel must wear dust masks while applying Color Crete 300 or removing the excess material during the final stage. Color Crete 300 is a very finely ground powder, consequently, wind conditions will severely affect application and results. Application should therefore be avoided on windy days. Color Crete 300 may be applied to the surface of the freshly placed concrete after finishing the concrete surface treatment with Color Crete 200, while the concrete is still in the plastic condition just prior to the imprinting operation. In the case of integrally colored concrete, the surface should receive at least a fresno finish. If Color Crete 200 has been applied, the surface should be troweled before application of Color Crete 300. Timing of application is critical to producing a proper antiquing effect: early application of Color Crete 300 will cause excessive amount of the colored release agent to be trapped in the concrete or topping surface, making it difficult if not impossible to remove later on and producing a color effect dominated by that of the release agent; late application of Color Crete 300 will prevent the colored powder from combining with the surface and most of it will be removed during the washing and removal operation.

Color Crete 300 may be applied to the surface by broadcasting at less than knee height and to a distance of no more than 1 meter. However, hand broadcasting may cause lumps of the release agent to collect on the surface instead of being broadcast evenly over the surface. Preferably, use a soft, longbristled (6") mason's brush by dipping the brush material and then broadcasting evenly across the surface at less than knee height. Application should occur within a single shake. Apply until a uniform, thin layer covers the surface of the concrete. Avoid over-application as it might cause texturing details to diminish; remove excess powder by sweeping gently or vacuuming. DO NOT trowel the surface after application of Color Crete 300. The amount of Color Crete 300 adhering to the surface will depend on how hard the concrete surface is at the time of application of Color Crete 300 – softer surfaces will retain more release agent. In addition, the finish of the concrete prior to application will affect the amount of release agent absorbed into the surface – rough finishes will retain more release agent than flat finishes. Finally, the length of time that Color Crete 300 is left on the surface will affect the absorption rate of the release agent into the surface.

Once the concrete has hardened enough to walk on, excess Color Crete 300 should be cleaned by brooming or vacuuming the treated surface in order to prevent staining and tracking of surrounding areas. After the concrete surface has hardened enough or left to cure for a minimum of 2 days depending on weather conditions, excess Color Crete 300 powder not absorbed into the surface may be cleaned by pressure washing or light scrubbing the surface with a soft-bristle broom.

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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Coverage

Coverage will depend upon timing, application technique, job conditions, tools used, desired effect and method of finishing prior to stamping. Dominant coverage is approximately 100 square meters per 17.5 kg pail.

Sealing

Application of a sealer to the surface is necessary to lock in the antiquing effect and bring out the color of the release agent. Seal with any of the GAC sealers such as Shield Sealer 100, Super Sealer, Handy Seal GP 600, or Super Sealer 2K. Refer to the relevant GAC technical data sheet for application instructions.

Cleaning

Clean all tools and equipment promptly with clean water.

Maintenance

Periodic maintenance and reapplication of the sealer coat is essential to preserve the color antiquing effect over time. The sealed surface should be inspected periodically for areas of traffic-worn or thin sealer and the sealer reapplied as necessary

Safety Precautions

DO NOT BREATHE DUST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. Use with adequate ventilation. A dust mask (NIOSH/MSHA TC 21C approved), safety goggles, and gloves should always be used. Silica based products present health hazards. May cause delayed lung injury (silicosis). FIRST AID:
Eyes - DO NOT RUB EYES. Immediately flush thoroughly with plenty of water.
Skin - Wash thoroughly with soap and water. Remove soiled clothing.
Inhalation - Move to fresh air. If symptoms persist or develop, or if ingested, get medical attention.
Wash thoroughly immediately after handling. Replace inner bag and close container after each use.

Packaging

17.5 kg Plastic pail.

Storage

Keep material covered to prevent exposure to moisture. Store in a dry area. When stored at specified conditions in original unopened packaging, shelf life is at least 3 years from date of production.

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