

PaveCrete 300

Antique Release Agent



DESCRIPTION • *PaveCrete 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. *PaveCrete 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 *PaveCrete 200 Color Hardener*, *PaveCrete 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. *PaveCrete 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 *PaveCrete 200 Color Hardener*. *PaveCrete 300* is also suitable for use with stampable toppings such as *TopCrete 601 Stampable Overlay*, and is ideal for texturing plasters and renders such as *ArtCrete 801*, *ArtCrete 901* and *ArtCrete 700* 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 • *PaveCrete 300* must not be used as the primary coloring agent; it should be used in combination with a color hardener such as *PaveCrete 200 Color Hardener* or on concrete treated with *PaveCrete 500 Integral Color*. *PaveCrete 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 *PaveCrete 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 *PaveCrete 300* will lead to adhesion between the texturing tool and the concrete surface, while over application of *PaveCrete 300* will hinder the imprinting operation and diminish some of the texture details. Avoid application during windy conditions as *PaveCrete 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 *PaveCrete 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.

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.

APPLICATION • Before applying *PaveCrete 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 *A-Z Liquid Tape* to mask surrounding areas is recommended. All concrete finishers and all near-by personnel must wear dust masks while applying *PaveCrete 300* or removing the excess material during the final stage. *PaveCrete 300* is a very finely ground powder, consequently, wind conditions will severely affect application and results. Application should therefore be avoided on windy days.

PaveCrete 300 may be applied to the surface of the freshly placed concrete after finishing the concrete surface treatment with *PaveCrete 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 *PaveCrete 200* has been applied, the surface should be troweled before application of *PaveCrete 300*. Timing of application is critical to producing a proper antiquing effect: early application of *PaveCrete 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 *PaveCrete 300* will prevent the colored powder from combining with the surface and most of it will be removed during the washing and removal operation.

PaveCrete 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, long-bristled (6") mason's brush by dipping the brush into the 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 *PaveCrete 300*. The amount of *PaveCrete 300* adhering to the surface will depend on how hard the concrete surface is at the time of application of *PaveCrete 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 *PaveCrete 300* is left on the surface will affect the absorption rate of the release agent into the surface.

Texturing of the surface may begin immediately after application of *PaveCrete 300*. Once the concrete has hardened enough to walk on, excess *PaveCrete 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 *PaveCrete 300* powder not absorbed into the surface may be cleaned by pressure washing or light scrubbing the surface with a soft-bristle broom. The use of pressure washers should be limited to experienced professionals as improper use may damage the surface and the antiquing effect.

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 CCC sealers such as *A-Z Ultra Sealer*, *A-Z Super Sealer*, *A-Z Mega Sealer*, or *ElastoCrete 212*. Refer to the relevant CCC 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.

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.

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.

SUGGESTED SHORT FORM SPECIFICATIONS • For Antiqued Stamped Concrete: All architectural concrete surfaces designated in the plans or specifications as having a stamped concrete finish shall be color hardened with CREATIVE CONCRETE CONCEPTS *PaveCrete 200™* Premium Color Hardener installed in accordance with manufacturer technical data sheet and written instructions, at a minimum rate of [] kg per square meter and in color [select from CCC Standard Color Chart / as per the finishes schedule]. The concrete surface shall be antiqued with CREATIVE CONCRETE CONCEPTS *PaveCrete 300™* Antique Release Agent in color [select from CCC Standard Color Chart / as per the finishes schedule] installed in accordance with manufacturer technical data sheet and written instructions. The surface shall be imprinted with the approved CCC texturing tool as per the finishes schedule. All imprinted surfaces must be sealed with CREATIVE CONCRETE CONCEPTS [A-Z Ultra Sealer™, A-Z Super Sealer™, A-Z Mega Sealer™, *ElastoCrete 212™*,] in accordance with manufacturer technical data sheet and instructions. All products shall be manufactured by CREATIVE CONCRETE CONCEPTS, Sharjah, UAE or Amman, Jordan; info@tex-crete.com.

Creative Concrete Concepts

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