

PaveCrete 400

Liquid Release Agent



DESCRIPTION • *PaveCrete 400* is a colorless, ready-to-use concrete liquid release agent, composed of an organic chemical which reacts with the alkali of the concrete to form a release film that effectively prevents the bonding of the concrete to texturing tools. *PaveCrete 400* is intended for use when imprinting freshly poured concrete and stampable toppings or renders in order to prevent the texturing tool from adhering to the material. *PaveCrete 400* also contains a high molecular weight, non-reactive ingredient that is chemically inert to assist in a quick, clean stamps removal.

USES • *PaveCrete 400* is typically applied to the surface of the texturing tool and the surface of freshly poured concrete or topping to be imprinted in order to prevent the surface material from adhering to texturing tools. *PaveCrete 400* may be used on uncolored concrete, or concrete that is integrally colored or surface color hardened with *PaveCrete 200 Color Hardener*. *PaveCrete 400* is sprayed directly on the concrete surface and on the texturing tool. *PaveCrete 400* is also suitable for use on stampable overlays such as *TopCrete 601* and renders such as *ArtCrete 700*, *ArtCrete 801*, and *ArtCrete 901* for vertical applications. *PaveCrete 400* can also be used to create a distinct color to the concrete in the form of antique or rustic color when mixed with *PaveCrete 300 Antique Release Agent*.

ADVANTAGES

- ✓ Prevents fresh concrete from sticking to texturing mats and tools.
- ✓ Colorless.
- ✓ May be used alone or with *PaveCrete 300 Antique Release* for an antiquating effect.
- ✓ Easy to use.
- ✓ Ideal for vertical applications where use of powdered release agent might be difficult.

LIMITATIONS • *PaveCrete 400* should not be applied before the concrete surface has dried adequately. Presence of moisture will replace the liquid release and cause the concrete to stick to the texturing tool. Not intended to be used as a vertical formwork release. **COMBUSTIBLE** – do not use near open flame, sources of ignition, or welding tools. Flash point is above 90°C.

COVERAGE • **DO NOT THIN SOLUTION**, must be applied full strength. Exact coverage will depend on application technique, finishing method of surface prior to application, timing, jobsite conditions, and tools used. In addition, the surface roughness and texture of the stamping mat will affect coverage;

rough textures will require more liquid release. Approximately 20-30 square meters per gallon.

APPLICATION • A hand-pump sprayer with a fine-fog nozzle is required for application of *PaveCrete 400*. When working under windy conditions, a fan spray nozzle is more suitable. However, windy conditions will severely affect the application rate of the liquid release.

Cover or protect surrounding areas. Rope off working areas and close to traffic. Remove all vehicles and close any nearby windows and doors when working on exterior hardscapes.

In cases where the freshly-poured concrete is colored with *PaveCrete 200 Color Hardener*, application of *PaveCrete 400* may begin after application of the hardener and finishing and troweling of the concrete surface, and just prior to the imprinting operation while the concrete is still in the plastic condition. However, it is highly recommended not to begin application before the concrete has dried sufficiently; migration of moisture to the surface will replace the liquid release and cause the concrete to adhere to the texturing tool. When an antique color is not desired, start by spraying a section of the surface [approx. 5 sq. meter at a time] with *PaveCrete 400* where you wish to begin stamping. Spray the liquid release using a pump-up sprayer to completely cover the surface without puddling. Also, spray the textured side of the imprinting tool with the liquid release agent before laying it on the surface.

To use *PaveCrete 400* for antiquating it must be mixed with approximately 4 ounces (112 grams) of *PaveCrete 300* in the color desired per one gallon of *PaveCrete 400*. Shake the mixer in the sprayer before each spraying application. This technique creates a transparent colored liquid that will color mainly in the low areas of the stamp textures, thereby creating a natural antiquing effect.

After lifting each stamp off the surface look at the uniformity of the antiquating and spray more colored liquid release agent to add more color where needed until the antiquating looks even and natural. Adjust the spray tip to a fan spray and hold the spray tip close to the surface approximately 15 cm away to allow the color liquid to puddle in the low spots of the textures for the best result.

Make sure that the antiquating looks good to your eye before you continue the stamping application; this will be how it looks when it is sealed. Always practice on a sample board to perfect the desired look before executing a full job.

PaveCrete 400 evaporates and must be reapplied whenever the texturing stamps start to show signs of sticking to the concrete surface. Rate of evaporation will depend on temperature, wind conditions, humidity, and sunlight.

After the texturing operation is complete, make sure the surface is thoroughly cleaned and any residual release removed before sealing or acid staining. Use a commercial detergent and a soft-bristled broom to lightly scrub the surface, then rinse with clean water.

SEALING • For enhanced protection of the concrete surface and to bring out the color, it is recommended that the surface be sealed with *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 • The sealed surface should be inspected periodically for areas of traffic-worn or thin sealer and *A-Z Super Sealer* reapplied as necessary. A properly sealed surface is essential to maintaining the antiqued and variegated coloring effect of the release agent.

STORAGE & SHELF LIFE • Keep lid tightly closed after use. Always store away from direct sunlight and away from sources of heat or ignition. When stored in original, unopened container away from extreme heat, shelf life is approximately 1 year from date of purchase.

SAFETY PRECAUTIONS • DO NOT TAKE INTERNALLY – HARMFUL IF SWALLOWED. KEEP OUT OF THE REACH OF CHILDREN. MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. Use with adequate ventilation. An organic vapor respirator (NIOSH TC-84A approved), safety goggles, and gloves should always be used. Avoid contact with skin, eyes, and clothing. COMBUSTIBLE LIQUID AND VAPOR. Keep away from sources of ignition and heat. Ensure adequate ventilation during and after application.

FIRST AID: **Eyes** - DO NOT RUB EYES. Immediately flush thoroughly with plenty of water while holding eyelids apart. **Skin** - Wash thoroughly with soap and water. Remove soiled clothing. **Ingestion** – SEEK MEDICAL ATTENTION IMMEDIATELY.

Wash thoroughly after handling or each use. Close container tightly after use and store away from sources of heat, ignition or flames.

PACKAGING • 20 liter pail.

SUGGESTED SHORT FORM SPECIFICATIONS •

For Un-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 surface shall be imprinted with the CCC texturing tool [], as per the finishes schedule] in conjunction with CREATIVE CONCRETE CONCEPTS PaveCrete 400™ Liquid Release Agent in accordance with manufacturer technical data sheet and written instructions. 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.