



A-7,000

Stamp Crete 1/4" Overlay System

Description

This specification and the products outlined below are specifically designed for installing **Americrete's** 1/4" Stamp System. Stamp texturing tools used with **Americrete's** specially designed **A-700 Stamp Crete** produce designs and textures at various thicknesses over structurally sound concrete.

Americrete's 1/4" Stamp System is unique in these areas:

- Surfaces are to be pre-treated with **A-200 Concrete Prep and Seal**, which greatly reduces vapor transmission through concrete. This unique product acts as an insurance policy against delaminating due to a high vapor transmission rate through concrete.
- **Americrete's** 1/4" Stamp System is pre-packaged. Sealed containers eliminate all the estimating on mix designs, which eliminates mistakes. Pre-packaging keeps job sites well organized. Organization speeds up and simplifies the entire application process.
- **Americrete's** 1/4" Stamp System is simple. All the contractor has to do is add water and pigment and he or she is ready to stamp. Simplicity guarantees the ease of application every time.

PRODUCT LIST

A-100 Degreaser

A heavy duty, biodegradable, high-alkaline cleaner used to clean, degrease, etch and neutralize the concrete. Remove existing coatings and curing compounds by shot blasting, sand blasting, water blasting or any other acceptable method of removal. Existing concrete shall be degreased using **Americrete's A-100 Degreaser** at a rate of 300 sq. ft per gallon.

A-200 Concrete Prep and Seal

A deep penetrating sealer designed to strengthen porous Portland cement-based substrates. **A-200 Concrete Prep and Seal** reduces vapor transmission, purges contaminants out of the concrete, stabilizes dusting concrete and increases the density of the concrete, which increases freeze-thaw resistance. Note: **A-200 Concrete Prep and Seal** must be able to

penetrate the surface in order to cross-link with the calcium hydroxide in the capillaries of the concrete.

A-750 Stamp Primer

A dry, single component cementitious product (add water only) used to level, re-grade, and re-surface concrete. Primarily used to bond **A-700 Stamp Crete** to concrete substrates.

A-700 Stamp Crete

A dry, single component cementitious product (add water and pigment only) designed for applications of ¼" thickness and embossed with Stamp tools. Stamp designs can emulate almost any natural surface such as stone, brick and wood.

A-1800 Release

A clear liquid that is sprayed on the Stamp Crete material and on the stamp mats so they will not stick to each other.

A-300 Concrete Bonder Admix

A liquid polymer that is broomed on the surface, which hardens the Stamp Crete and helps when staining to achieve more consistent coloring.

A-1000 Concrete Stain

Acrylic stains and clear sealers provide finished colors as well as a protective sealer over stamped surfaces. Optional Stain: A-2050 Enviro Stain to create a unique appearance.

Americrete Sealers

Acrylic or aliphatic urethanes that achieve durability and UV protection. See sealer options. See Sealer Options.

Material List for 300 Square Feet

1. 1 gal **A-100 Degreaser**
2. 2 gal **A-200 Concrete Prep and Seal**
3. 1 bag of **A-750 Stamp Crete Primer** for primer (always have extra bags on hand)
4. 13 bags of **A-700 Stamp Crete** (always have extra bags on hand)
5. 1 gal **A-1800 Release**
6. 1 gal **A-300 Concrete Bonder Admix**
7. 1 to 4 gals **A-1000 Concrete Stains** or **A-2050 Enviro Stains**, depending on the colors desired for the application.
8. 2 gals **A-4200 Shine and Seal, A-4201 Shine and Seal – Matte Finish, A-1400 High Shine, A-1450 High Shine Plus, A-1480 Top Coat Sealer, A-1481 Top Coat Sealer – Matte Finish, A-1350 Concrete Shield or A-5500 Water Base High Shine**, if wet look is desired. Or use the appropriate Americrete sealer as defined under the Sealer Section.

9. If cracks are present, you will need **Americrete's A-1700 Crack Repair Kit**, which will repair approximately 40 linear feet.
10. Texture or Pattern stamps.

Substrate Evaluation, Testing and Preparation

The concrete that is to receive the **A-750 Stamp Crete Primer** and **A-700 Stamp Crete** should be checked for structural integrity prior to the application. All coatings, sealers, curing agents and smooth troweled finishes must be removed in order to allow **A-200 Concrete Prep and Seal** to penetrate and stabilize the substrate. Shot blasting, sand blasting or grinding may be necessary in order to allow the **A-200 Concrete Prep and Seal** to penetrate into the surface of the concrete. The pores of the concrete must be opened.

V-Grind out all cracks. Always apply **A-100 Degreaser** to concrete areas that have oil at a rate of 300 square feet per gallon with a broom. Leave on concrete one half hour and rinse with water. Then power wash the surface to remove all residue.

Pour a small amount of water onto the surface to check surface porosity. If the water does not penetrate the surface, then grind the surface to open the pores of the concrete. If the water does not penetrate the surface after grinding, **STOP**. DO NOT APPLY THE PRODUCT AND CONTACT AN **AMERICRETE** REPRESENTATIVE AT 1-800-775-8880.

While the surface is dry, apply **A-200 Concrete Prep and Seal** at a rate of 300 square feet per gallon with a Hudson Sprayer. Allow **A-200 Concrete Prep and Seal** to dry for 24 hours. If white efflorescence exists, remove with water and allow to dry for 24 hours. Do not coat the surface until efflorescence no longer exists. Any surface residue or contamination needs to be removed prior to the application of **A-700 Stamp Crete**.

Crack Repair

Follow Americrete's **A-17,000 Crack Repair Specification**.

Note: **Americrete** does not guarantee that the crack will not re-appear at a later date.

Installation Procedures

1. V-grind out all cracks.
2. Always apply **Degreaser A-100** to concrete when oil is present at a rate of 300 square feet per gallon, with a stiff bristle broom. Leave on concrete 20 to 60 minutes, and rinse off with a garden hose and then power wash the surface.
3. While the surface is dry, not wet, apply **Americrete A-200 Concrete Prep and Seal** at a rate of 300 square feet per gallon, with a low-pressure sprayer. Allow **A-200 Concrete Prep and Seal** dry for 24

- hours. If white efflorescence appears, remove with broom and water and allow to dry another 24 hours. If efflorescence re-appears, repeat the rinse process and wait 24 hours. Continue to repeat until no efflorescence appears.
4. Repair the cracks by following the **A-17,000 Crack Repair Specification**.
 5. Mist the concrete substrate with water and apply **Stamp Crete Primer A-750** at a rate of 200 to 250 square feet per bag. Do not apply **A-750 Stamp Crete Primer** too far in advance of the application of the **A-700 Stamp Crete**. Do not let **A-750 Stamp Crete Primer** dry. Mix 4 ½ to 5 quarts of water per 50 lb. Bag of stamp mix. Apply **A-700 Stamp Crete** directly into the wet **A-750 Stamp Crete Primer** at a rate of 25 square feet per bag, with Americrete's ¼" **Screed Rake A-2000**. Allow to set – but not dry and then apply **Release A-1800** with a Hudson sprayer to the entire area and stamp. Stamp the surface. Do not allow material to dry before stamping the product.

Mandatory Note: You **must** mix color into each bag of **A-700 Stamp Crete**. Use Americrete's **A-710 Color Pacs** (mix 1 color pack per 50 pound bag) or use the colorant of your choice.

6. **For vertical application (stairs, pool coping edge, etc.): When mixing A-700 add ¼ bag of A-750 into the mix and mix with water to the desired consistency. Apply this mix to the vertical surface after A-750 Stamp Crete Primer has been applied and has set up and is stiff (almost dry). Stamp the surface. Do not allow the material to dry before stamping.**
7. On the following day, clean out unclean grout lines, and lightly scrape the entire surface. Cut joints then wash surface with T.S.P. and water to remove the **A-1800 Release**.
8. If shrinkage cracks appear, sponge crack by using a mixture of water and stamp mix. Sponge into cracks and let dry.
9. Apply **A-300 Concrete Bonder Admix** to the entire area with a broom at a rate of 300 square feet per gallon. Allow to dry.
10. Dampen the surface. Apply **A-1000 Concrete Stain or A-2505 Enviro Stain** over the surface with a Hudson sprayer and allow to dry. Highlighting can be done with a sprayer, sponge, etc. Allow to dry 24 hours before sealing.
11. **SEALERS – For Vehicular Traffic Areas Use:
A-1400, A-1450, A-4200, A-4201, A-1480, A-1350 or A-5500.**

SEALERS – For Non-Vehicular Traffic Areas Use:

All the sealers listed above may be applied or any of Americrete's Water Base Sealers: **A-1300, A-1325, A-1330, A-1505, A-1350 or A-5500.**

Apply 2 coats of sealer.

Note: Do not apply **A-1400 High Shine, A-1450 High Shine Plus, A-4200 Shine and Seal** or **A-4201 Matte Finish Sealer** to wet or damp surfaces or when precipitation is expected.

Helpful Tips:

- Open the pores of the concrete
- Cut open all expansion joints before installation
- On hot days, saturate the concrete substrate with water to cool the substrate surface
- Keep the concrete moist with water while applying **A-750 Stamp Primer**
- Apply **A-700 Stamp Crete** into wet **A-750 Stamp Primer**
- Add 1 tube of **A-710 Color Pac** to each bag of **A-700 Stamp Crete**
- Be sure all **A-1800 Release** residue is removed before staining
- Apply **A-300 Concrete Bonder Admix** before staining to achieve a nicer, more elegant look

Product Warranty:

Americrete, Inc. blends its products to the highest quality. Warranty does not apply to any persons, company or private individuals who have not attended an Americrete, Inc. training class and/or have not been approved as a Certified Applicator of Americrete, Inc. products. This warranty is limited to the replacement of material (product) for a period of 1 year for single product application and for a period of 5 years for entire system application only if the maintenance has been performed as stated above and the product(s) have been proven to be defective. Product must be applied to manufacturers specifications, and over a sound substrate. There is no warranty for cracking, damage to substrates or replacement of any tangible items. This warranty, dated October 2004, supercedes all previous warranties.

Note: Americrete products are to be applied only when surface temperatures are at 55 degrees or higher. Do not apply when rain or other precipitation is expected within 24 hours.