



## **A-10,000**

# **Architectural Coating and Staining System**

This specification includes resurfacing methods used when applying a decorative wearing surface over concrete. This unique system is designed to change ordinary concrete into aesthetically pleasing surfaces with colors and textures. For use on interior or exterior patios, sidewalks, driveways, pool decks, stairs, casinos, hotels, restaurants, shopping malls, private residences and businesses.

### **Surface Preparation**

#### **New Floors**

Any new concrete shall be allowed to cure for 28 days. If using **Americrete Concrete Prep & Seal A-200** as the curing agent – a minimum of 72 hours must be allowed before coating. New concrete that is treated with **Concrete Prep & Seal** must cure for 72 hours. Pressure-wash the surface with a 3000 P.S.I. pressure washer in order to remove any residue or alkali build up prior to the application of **Americrete's products**.

**Note: If efflorescence is present, remove with water and allow to dry for 24 hours. If efflorescence continues, repeat this step. Continue only if no efflorescence is present.**

#### **Surface Preparation of Existing Coated Floors**

Remove all existing coatings, sealers, curing agents and other foreign materials by shot blast or grinding equipment in order to reveal porous concrete. Concrete must be porous. Hard trowel surfaces can be treated with **A-250 Acid Etching Gel**.

#### **Surface Cleaning**

Clean and etch the floor with **A-100 Degreaser** to remove dirt, grease and oil from the surface. Apply with a stiff broom and agitate on concrete. Let set for 30 minutes then rinse with water.

#### **Surface Stabilization (with A-200 Concrete Prep & Seal)**

Apply two applications of **A-200 Concrete Prep & Seal** penetrating sealer to increase concrete strength and reduce vapor transmission. Apply 2 applications of **A-200 Concrete Prep & Seal** over the entire surface using a low-pressure

sprayer. Saturate the surface – spraying evenly – but do not allow the material to puddle. Wait 24 hours before applying any **Americrete** cementitious coating. Note: If efflorescence is present, remove with water and allow to dry for 24 hours. If efflorescence continues, repeat this step. Continue only if efflorescence is not present. If vapor transmission persists, follow Americrete's **A-20,000 Vapor Emission Specification**.

### **Crack Repair**

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

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

### **Filling Spalls and Voids**

The surface may require filling or patching prior to surfacing. Prime the surface with **A-300 Concrete Bonder Admix**, and pre-fill any low, voids or spalled areas with **A-600 Concrete Resurfacer**. The proper mix should be determined by the depth of the repair. Feather all edges to match adjacent grades with a damp brush or trowel.

### **Re-grading or Re-leveling**

The surface may be re-graded or re-leveled as necessary in order for water to flow properly. Low areas should be filled to eliminate water from puddling. Material can be graded in low areas with a straight edge, screed rake the material flush with adjacent surfaces.

### **Application**

Note: Always follow surface preparation before coatings are applied.

Dampen surface with water. Do not allow water to puddle. Mix **A-600 Concrete Resurfacer** or **A-601 White Concrete Resurfacer A-601** with 6 – 6 1/2 quarts of water. Add 1 tube of **A-710 Color Pac** to each bag of **Resurfacer** or other desired colorant. Apply two coats of **A-600 Concrete Resurfacer** to the concrete with a squeegee, trowel, or broom. For a smooth surface, sand the **A-600 Concrete Resurfacer**. Cut concrete with a diamond blade if an Architectural design is required. Apply **Americrete Concrete Stain A-1000** or **Enviro Stain A-2050** to achieve the desired stained look.

### **Americrete Architectural Staining Over Concrete – Exterior Application**

1. Follow concrete preparation procedures. Open pores of surface with **A-250 Acid Etching Gel** or bead blast.
2. Apply **A-200 Prep and Seal**.
3. Dampen the surface with water, and do not allow it to puddle. Apply **A-375 Admix/Primer** as a wet primer before application.

4. Apply 2 coats of **A-600 (Gray) Concrete Resurfacer** or **A-601 (White) Concrete Resurfacer** with a trowel or a squeegee.  
**Note: Add desired color to the Resurfacer using 1 tube of A-710 Color Pac to each bag of Resurfacer.** Allow it to dry. Sand the surface if needed. Allow it to dry completely.
5. If an architectural design is desired, the surface can be cut with a diamond blade or Dremel Tool to achieve the desired pattern.
6. **Staining** - Apply a base of **Americrete Concrete Stain A-1000** or **Enviro Stain A-2050** to the area using a canister sprayer or low-pressure sprayer apparatus. Allow it to dry.
7. If a marbled look is desired, you can do one color at a time or multiple colors together. If multiple colors are desired, the applicator can apply the **Concrete Stain** when the surface is dry or on the following day.

### Sealer Options

1. **For VEHICULAR traffic surfaces:** apply 2 coats of one of the following sealers: **A-1400 High Shine, A-1450 High Shine Plus, A-4200 Shine and Seal, A-4201 Matte Finish Sealer, A-1200RS Natural Seal, A-1480 Top Coat Sealer 60% Solids Polyurethane, A-1350 Concrete Shield or A-5500 Water Base High Shine.** Sealer coverage rate and application will vary depending upon product chosen.  
**\*IMPORTANT NOTE: A-1200 and A-1200RS Natural Seal is to be used over concrete only. Note: Do not use A-1200 Natural Seal or A-1200RS over A-1000 Concrete Stain or A-2050 Enviro Stain.\***
2. **For NON-VEHICULAR traffic surfaces:** apply 2 coats of one of the above listed sealers or: **A-1300 Concrete Seal, A-1325 Satin Finish Concrete Seal, A-1330 Satin Finish Enviro Sealer, A-1505 Efflorescence Blocker, A-1350 Concrete Shield or A-5500 Water Base High Shine.** Sealer coverage rate and application will vary depending upon product chosen.
3. **For INDOOR surfaces: ONLY use A-7200G Water Base Epoxy. Apply 1 coat of A-7200G and then apply multiple coats of wax. Re-apply wax once per week or month, depending on traffic.**

### Americrete Architectural Staining Over Concrete – Interior Application

Follow steps 1 – 7 above then:

8. Apply 1 to 2 coats of **A-7200G 100% Solids Epoxy**. Allow it to dry. Lightly sand the surface, if needed.
9. Waxing **Americrete** architectural finish is recommended indoors to obtain a high shine or matte finish to protect the floor. This should be

done on a weekly or monthly basis, depending upon the amount of traffic on the floor.

**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, Inc.** 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.*