



Americrete A-6,000 SPECIFICATION

Resurfacing Cement

Description

This specification includes the repair and resurfacing methods used when applying Americrete products over cracked, spalled, deteriorated structures. This method of repair will create a slip resistant surface designed for heavy foot traffic and vehicular traffic. This Americrete system can repair the substrate to leave a new broom or smooth concrete finish.

Caution

It is imperative that the structure that is to be repaired be structurally sound. Deteriorated, cracked or spalled concrete should be repaired. Americrete recommends that all structural concrete substrates be tested for structural integrity and chemical contamination prior to application of any surfacing materials.

Preparation of surface

Americrete will bond to properly cleaned and porous concrete surfaces. Mechanical or chemical abrasion may be necessary in order for Americrete to properly adhere to the surface. See Specification A-2000

Existing Coated Floors

All existing coatings, sealers, curing agents and other foreign materials must be removed by shot blast equipment in order to reveal clean concrete.

Cleaning

The surface shall be cleaned thoroughly of all contamination by scrubbing the surface with A-100 Degreaser. Broom A-100 Degreaser evenly over the entire surface. Allow the degreaser to remain on the surface for approximately 30 minutes. Power wash surface with a 3000 to 4000 psi machine.

Surface Stabilization

Chalking, weak or freeze-thaw damaged concrete must be treated to increase concrete strength and reduce vapor transmission. The top surface should be removed and then treated with two coats of A-200 Concrete Prep and Seal or two coats of A-2250 Concrete Penetrating Sealer (C.P.S). Spray evenly to saturate the surface, but do not allow the material to puddle. Allow to dry 30 to 45 minutes and rinse with water and a broom to remove any residue.

Vapor Transmission

A-6300 penetrating Vapor seal epoxy is also used to Control moisture vapor, especially with concrete

Slab's on grade with high alkali and moisture problem

Refer to technical data sheet A-6300.

Surface Repairs

Small repairs and cracks require pre-filling. Large spalls and cracks should be pre-filled prior to resurfacing using Americrete Crack Repair Procedure. See Specification number A-17,000 for complete installation instructions. Americrete does not guarantee that the cracks will not appear at a later date.

Surface Leveling

Low areas, surface voids and other irregularities that cannot be repaired using a thin coat application may be repaired using this leveling procedure prior to resurfacing. Prime surface with A-375. Apply A-600 Concrete Resurfacer mixed with 6 to 6 1/2 quarts of water per bag, for any areas from 1/8" or 3/8". For deeper areas, other mixing ratios with larger aggregate are required.

Thin Set Overlay

Upon completion of repairs, the surface shall be overlaid with minimum of 2 squeegee applications of A-600 Concrete Resurfacer. The objective is to apply 2 thin applications without creating a heavy build-up of material and without creating any significant dead load on the structure.

The surface that is being coated shall be kept damp at all times during the application process by using a light spray of water. Do not let water puddle.

The A-600 Concrete Resurfacer mixture shall be poured in windrows and spread immediately with squeegees over the surface. Material shall flow toward the operator, leaving no ridges or excess material. Should material run out, apply a light spray of water at the end of the windrow and feather the edge, using a squeegee. When adding new material to the damp windrow, first re-dampen the edge to insure the bond between the new material and old. Remove any ridges or irregularities from the first application using a floor scraper before applying the second coat. Apply the second application when the first application is thoroughly dry. Normally 2 applications can be installed in 1 day if the surface is an exterior surface exposed to full sunlight. Surfaces without full sunlight will require an overnight cure between applications. The finished surface can be a smooth, broom finish or a sandy finish

Application Procedure:

Grind out all cracks. Remove all sealer's and curing compounds. The pores of the concrete must be opened. This can be achieved by bead-blasting grinding or applying A-250 acid etching gel.

DO NOT apply A-600 over non porous substrates.

To remove oil use A-100 degreaser.

Allow the surface to dry.

Apply A-200 Concrete Prep and Seal or vapor seal A-6300.

Repair the cracks using the A-1700 Crack Repair Kit. Be sure to follow A-17,000 Crack Repair Specification. Mist the surface with water, keep the surface damp with A-300 or A-8100 Concrete primer during application.

Mix 6 to 6 ½ quarts of water to 1 bag of A-600 Concrete Resurfacer. Apply 2 coats of A-600 Concrete Resurfacer to the area by squeegee, Broom or trowel at a rate of 300 square feet per bag.

Additional applications may be necessary, add color to each bag if desired.

DO NOT: cover expansion joints (always brush and cut the expansion joints) before and after the application.

Seal surface with two coats of the appropriate Amercrete sealer.

Americrete Flex Mesh

Although Amercrete products are flexible, structural or moving cracks may reappear as hairline cracks. These hairline cracks are not always visible to the naked eye. Years of field experience in the repair of cracked surfaces have proven that embedding the A-1600 Flex Mesh into A-600 Concrete Resurfacer will substantially reduce re-cracking over structural surfaces, on or above grade.

Sealer Options

For Vehicular Traffic Areas ONLY Use:

A-1400, A-1450, A-4200, A-4201, A-1480, A-1481, A-5600, A-4300,

For Non-Vehicular Traffic Areas Use:

All the sealers listed above may be applied or any of Amercrete's Water Base Sealers: A-1300, A-1325, A-1350 PIGMENTED, A-1100, A-1150, A-4100

For a Painted look on Vehicular Traffic Areas Use:

A-1475 for High Traffic areas or A-4100 for driveways, garages or light traffic.

For a Natural Concrete Look on Vehicular Traffic Areas Use:

(A-2250 and A-1200RS Natural Seal).

A-4201 or A-1480– Matte Finish.

NOTE: When using 4201 or 1481 the surface must be sealed prior to application due to the matte agent. Please consult with an Amercrete rep.

Note: Do not apply Sealer to wet or damp surface, or when precipitation is expected.

Tips for Application:

Make sure the concrete is porous.

Patch spall's in the concrete before squeegee coats.

Keep concrete misted with water, and A-300 primer

Always brush out expansion joints.

Always seal the surface.

Material for 300 Square Feet;

1. A-100 Degreaser
1 gallon
2. A-200 Concrete Prep and Seal
1 gallon
3. A-1700 Crack Repair Kit
40 linear ft
4. A-300 primer or A-8100 bonder
1 Gallon
5. A-600 Concrete Resurfacer
2 bags
6. Sealer (see options)
2 Coats
2 Gallons

Product Warranty/Liability Disclaimer

- Since no control is exercised over product use, AMERICRETE represents and warrants ONLY that the products are of consistent quality within manufacturing tolerances for a period of ONE year. NOTE: if Amercrete sealers are not used to seal the surface then there is NO WARRANTY implied. Amercrete sealers must be applied to the substrate for Amercrete to warranty material.

All sales are final. NO other oral or written representation or statement of any kind, expressed or implied, now or hereafter is authorized or warranted by AMERICRETE. including those of marketability or fitness for a particular purpose. Liability for breach of contract, negligence or on any other legal basis is limited to the lesser cost of refund or replacement of material proven to be defective. AMERICRETE, will not be liable for special, incidental or consequential damages, including for delays or lost profits. There is no warranty for product installations, color variations, product delamination or cracks in the surface due to the substrate cracking. The end user shall determine the suitability of the products for the intended use and assumes all risks and liability in connection therewith. NOTE: If litigation arises the party filing the complaint or law suit will be responsible for all attorney fees and court costs incurred by AMERICRETE, and all other costs related to the investigation of the law suit and/or complaint.

This warranty is effective August 1, 2007, and supersedes any and all previous warranties, written or verbally communicated Note: Amercrete 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.

A five year warranty is available only if requested and Must be written signed and "notarized" by an Amercrete officer.