



Americrete A-16,000

Flex Mesh Waterproofing System Over Plywood/Concrete Substrate

Description

This specification includes resurfacing and applying Flex mesh over plywood or concrete substrates. The system creates a flexible and durable finish. The finish can incorporate many different colors, designs and patterns.

Limitations

Americrete's Flex Mesh System must be installed on structurally sound plywood only. The plywood must be 5/8" (or better in thickness) Tongue and Groove and all seams must be blocked and nailed with RING SHANK NAILS or SCREWED. Americrete does not guarantee that the cracks will not appear at a later date.

Wood Structures

Wood surfaces must be free of oils, contaminants, trash, sawdust, etc. and must be structurally sound and secured by screws or ring shank nails before application. This system can be applied directly over existing wood surfaces consisting of 5/8" or thicker. This system is not approved over 1/2" plywood or OSB board. Apply over recommended surfaces only. Plywood must have a 1/4" fall per foot (slope).

Caution/Concrete

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.

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

Crack Repair

Follow Americrete's A-17,000 Crack Repair Specification. Americrete does not guarantee that the cracks will not appear at a later date.

Metal Flashing

Metal Flashing should be 26 gauge galvanized metal or better. Flashing shall be clean and rust and/or corrosion free. All oils should be removed with mineral spirits. All wall to deck flashing shall be 4" x 4" or better. Flashing shall be overlapped by 3" to 4" and caulked with 2 beads

top and bottom at all overlapped areas. Vertical and horizontal caulking shall be Sika 1A polyurethane or equal. Facial flashing is to be 2" x 4" or better with no gravel stop. All flashing is to be nailed every 4" and vertical areas to be nailed at all stud areas, top and bottom.

Crickets

If build-up is required in corners of the deck or between scuppers or drains, lath is mandatory. You can achieve this by cutting lath pieces at 45-degree angles and nailing them between drains or scuppers. Use 3 pieces of lath, each one cut smaller than the prior, and lay them on top of another and secure with staples or nails. This will achieve a gradual build-up when A-900 Waterproofing Basecoat is applied into lath.

Waterproofing System

1. Apply 4"x4" or 6"x4" flashing at walls and over threshold areas. Overlap flashing ends by 4 inches, and apply 2 beads of caulking at each seam of the flashing, top and bottom. Nail the flashing every 4 to 6 inches on the flashing laying on the deck surface. Nail at the top of the flashing at every stud.
2. End the flashing at a stud, and use 2 nails at all metal seams, top and bottom.
3. If the deck is an open rail deck, at the end of the deck extend the flashing 4 to 6 inches, and bend it around the wall so the stucco paper can be applied over the 4x4 flashing.
4. Then apply 2x4 fascia flashing at the end of the deck. Remember to caulk and nail all of the areas where metal is overlapping.
5. If stucco is to be applied at the edge of the deck, be sure to leave the flashing 3/4 inch beyond the deck to accept the stucco. The stucco should be under the flashing.
6. If no fascia flashing is required, and you have a wall, you must have scuppers, drains, or both and an overflow scupper so the water will drain properly.
7. If drains are required, Americrete approves only Thunderbird Deck Drains. Never use copper drains, scuppers or copper flashing with our metal lath system to avoid electrolysis. If scuppers or drains are required, be sure the distance between each one is no more than 6 feet apart from each other. Install crickets between scupper with lath and A-900 Waterproofing Basecoat. Build up at 45-degree angle to divert water to the drains.
8. All decks must have at least 5/8" plywood with joists 16 inches on center and they must be 2x10 or greater with a 1/4" fall per foot. All decks are to be screwed or ring shanked, nailed and glued.

Notes:

Drains

Galvanized thunderbird drains (2" or 3") are mandatory, and should be placed not more than 6 feet apart from each other. They must be nailed and caulking must be placed under and around the drains. If drains are needed, an overflow drain must also be installed. See plans or specifications for your project.

Scuppers

Galvanized scuppers 2" x 3" or better, no more than 6 feet apart from each other.

Joists

2' x 10's, 16" on center with 1/4" fall per foot better.

Plywood

Use 5/8" exterior grade plywood or better with 1/4" fall per foot. No OSB board or particleboard. This system is not approved over 1/8" plywood. No plywood over 5/8" thickness.

Sloping

This can be done using A-900 Waterproofing Basecoat with a mixture of 1 gallon of A-300 Concrete Bonder Admix. Prime surface before application with Concrete Bonder Admix. Do not allow the primer to dry before applying A-900 Waterproofing Basecoat.

Flex Mesh System over Plywood/Concrete Substrate's

1. Follow flashing, crack repair procedures
2. Mix 1 quart A-8100 bonder to one bag of Concrete Resurfacer A-600 and apply to all plywood seams and flashing edges with 6 inch wide piece of A-1620 Mesh imbedded into the wet A-600 Concrete Resurfacer. Allow to dry.
3. Roll A-8100 bonder on plywood at a rate of 200 square feet per gallon. Apply next step directly into wet bonder
4. Mix 4 to 6 quarts of water and 1 quart of A-8100 bonder to 1 bag of A-900 Waterproofing Base Coat, and trowel or squeegee over the entire surface, completely covering the plywood. APPLY INTO WET bonder.
5. Apply A-1625 or 1630 Mesh over the entire deck by saturating the Mesh with W-8100 bonder. Allow to dry.
6. Mix 1 quart of A-8100 bonder to one bag of A-900 Waterproofing Base Coat and apply over entire deck with a trowel or squeegee at a rate of 150 sq. ft. per bag. Allow to dry.
7. Next, for a textured finish, mix 4 to 5 quarts of water to 1 bag of A-800 Texture Finish.
8. Put the material into a Hopper Gun. Apply the material to the deck with low-pressure and let it set up. Do not allow material to dry, and proceed by knocking down the A-800 Texture Finish with a trowel. Use golf shoes or spikes to walk on the surface to prevent footprints in texture. Allow to dry for 24 hours.
9. Apply 2 coats of A-1100 or A-1150 Texture Concrete Color Seal with a roller at a rate of 150 square feet per gallon and allow to dry between coats.

Note: This system is not to be used over living areas. This system can be used over living areas ONLY if going over a concrete substrate.

Note: Using any material other than Americrete products

on or with any Americrete products will automatically VOID the warranty.

Material needed for 300 square feet:

A-600 1, Bag Flashing Area's

A-8100, 3 Gallons

A-1620 3" web tape 1 roll

A-1625 non adhesive or A-1630 self adhesive 3' foot wide, 1 roll

A-900, 6 Bags Water proofing base coat

A-800, 3 Bags

A-1100 or A-1150, 5 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 Americrete sealers are not used to seal the surface then there is NO WARRANTY implied. Americrete sealers must be applied to the substrate for Americrete 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: 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. A five year warranty is available only if requested and Must be written signed and "notarized" by an Americrete officer.