



A-16,000

Flex Mesh Waterproofing System Over Plywood

Description

This specification includes resurfacing and applying **Flex mesh** over plywood surfaces. 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.

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).

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.

Flashing Procedure for Americrete Flex Mesh 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 $\frac{3}{4}$ 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

1. Follow flashing procedures.
2. Roll **A-8100 Waterproofing Primer** on plywood at a rate of 200 square feet per gallon.
3. Mix 1 quart **W-8000 Wall Stamp Primer** to one bag of **Concrete Resurfacer A-600** and apply to all plywood seams and flashing edges with 6 inch wide piece of **A-1600 or A-1601 Flex Mesh** imbedded into the wet **A-600 Concrete Resurfacer**. Allow to dry.
4. Mix 4 to 6 quarts of water and 1 quart of **W-8000 Wall Stamp Primer** to 1 bag of **A-900 Waterproofing Base Coat**, and trowel or squeegee over the entire surface, completely covering the plywood. Allow to dry.
5. Apply **Flex Mesh** over the entire deck by saturating the **A-1600 Flex Mesh** with **W-8100 Waterproofing Primer**. Allow to dry.
6. Mix 1 quart of **W-8000 Wall Stamp Primer** 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. Apply a mixture of 1 gallon of **A-8100 Waterproofing Primer** to one bag of **A-600 Concrete Resurfacer** at a rate of 150 to 200 square feet per bag. Allow to dry.
8. Next, for a textured finish, mix 4 to 5 quarts of water to 1 bag of **A-800 Texture Finish**.
9. 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.
10. Apply 2 coats of **A-1100 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 concrete substrate.

Note: Using any material other than Americrete products on or with any Americrete products will automatically VOID the warranty.

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.