A-9,000
Waterproofing Basecoat System With Texture Finish

Description
This specification is designed and engineered for above grade structures that require waterproofing. **Americrete's** Waterproofing Basecoat System was designed as a lightweight waterproofing system that provides a durable coating for plywood. This system will withstand heavy foot and vehicular traffic.

Limitations
Americrete's Waterproofing Basecoat System must be placed on structurally sound surfaces only.

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 and blocked at all plywood seams before application. This system can be applied directly over existing wood surfaces consisting of 5/8" tongue and groove plywood or thicker. This system is not approved over ½" plywood or OSB board. Apply over recommended surfaces only. Plywood must have a ¼" 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. Fascia 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 the top of all stud areas.

Plywood Seam
All plywood seams must be nailed with ring-shank nails or screws and must be blocked.

Metal Lath
A 2.5 gauge galvanized expanded metal lath must be applied over entire plywood and metal surfaces with all diamond metal lath seams overlapping 1" to 2". Lath to

be fastened by stapling with galvanized 1" by 5/8" crown staples, minimum of 18 staples per square foot. All overlapped lath shall have staples every 1" on the seams.

Crickets
When installing lath on an enclosed parapet wall deck, crickets are required to get water off the deck and into scuppers or drains. 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 Basecoat
Mix 4 ½ to 5 quarts of water to 1 bag of **A-900 Waterproofing Basecoat**. Apply wet mixture directly into, 2.5 galvanized, diamond lath at a rate of 30 to 35 square feet per mix. Metal lath must be completely covered. Allow to dry.

Waterproofing Primer and Flex Mesh
Apply **A-1600 Flex Mesh** over entire surface with 1" to 2" overlap at all seams. Saturate **A-1600 Flex Mesh** with **A-8100 Waterproofing Primer** and allow to dry.

Concrete Resurfacer
Mix 5 ½ to 6 quarts of water to 1 bag of **A-600 Concrete Resurfacer**. Apply **A-600 Concrete Resurfacer** over **A-1600 Flex Mesh** at a rate of 150 square feet per mix. This can be done with a trowel or squeegee.

Knock Down Texture
If the surface is not smooth, apply an additional slurry coat of **A-600 Concrete Resurfacer.**

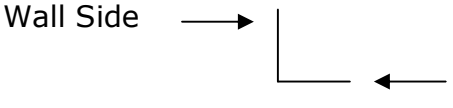
Mix 4 ½ to 5 quarts of water to **A-800 Texture Finish** and apply to deck with a hopper gun at a rate of 125 to 150 square feet per bag. In golf shoes or spikes, knock down **A-800 Texture Finish** with a trowel, keeping trowel clean and damp with wet rag or sponge. Let dry for 24 hours.

Apply **A-1100 Texture and Color Seal** over surface (2 coats). Apply the first coat at a rate of 125 to 150 square feet per gallon. Allow to dry and then apply a second coat at a rate of 125 to 150 gallons per square foot.

This specification is intended only as a guideline since **Americrete** products are warranted to Certified Applicators only.

Flashing Procedure for Americrete's Waterproofing System
1. Apply 4" x 4" or 6" x 4" flashing at walls and over threshold areas. Overlap flashing ends by 4" and apply 2 beads of caulking Sika 1-A, or the equivalent, at each seam of the flashing, top and bottom. Put 2 nails at all

vertical and horizontal seams, top and bottom. Nail the flashing that is laying on the deck surface, every 4" to 6". Nail the flashing that goes up the wall at every stud. End the flashing at a stud.



2. If the deck is an open rail deck, at the end of the deck, extend the flashing 4" to 6" and bend it around to the wall so the stucco paper can be applied over the 4" x 4" flashing.
3. Then apply 2" x 4" fascia flashing at the end of the deck. Remember to caulk and nail all of the areas where metal is overlapping.
4. If stucco is to be applied at the edge of the deck, be sure to leave the flashing ¾" beyond the deck to accept the stucco. The stucco should be under the flashing.
5. 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.
6. If drains are required, Americrete approves only Thunderbird Deck Drains. Never use copper drains, scuppers or copper flashing with our metal lath systems to avoid electrolysis. If scuppers or drains are required, be sure the distance between each is no more than 6 feet. Install crickets between scupper with lath and **A-900 Waterproofing Basecoat**. Build up at 45-degree angle to divert water to drains.
7. All decks must have at least 5/8" Tongue and Groove Plywood blocked at all seams, with joists 16" on center and they must be 2" x 8" or greater with 1/4" fall per foot. All decks are to be screwed or nailed with ring-shank nails, glued and blocked.

Application Procedure
Metal Lath Waterproofing Systems with Texture

Note: Always use **Americrete** flashing procedures.

1. Apply 2.5 galvanized, metal lath over the deck surface and fasten with 5/8" x 1" crown, non-corrosive staples. Staple patterns must be a minimum of 18 staples per square foot. All lath seams must overlap 1" to 2" and metal lath shall be no more than ½" away from the walls or edge of the deck covering all flashing. Hammer staples down at lath seams before applying **A-900 Waterproofing Basecoat**.
2. After lath has been applied, mix 4 ½ to 5 quarts of water to 1 bag of **A-900 Waterproofing Basecoat** and trowel into the lath at a rate of 30 to 35 square feet per bag (lath should be completely covered). Allow to dry completely.
3. Apply **A-1600 Flex Mesh** over the entire surface and saturate the nylon mesh with **A-8100 Waterproofing Primer** by using a roller. Allow it to dry.
4. Mix 5 ½ to 6 quarts of water per bag of **A-600 Concrete Resurfacer** and apply using a squeegee at a rate of 150 square feet per bag and cover the **A-1600 Flex Mesh** completely.

5. Next, for a knock down finish, mix 4 ½ to 5 quarts of water to a bag of **A-800 Texture Finish**.
6. Put the material into a Hopper Gun with low pressure.
7. Apply by spraying material onto the deck. Let it set-up. Do not allow it to dry, walk onto the surface with golf shoes or spikes and proceed by knocking down the **Texture Finish** with a trowel. Allow it to dry for 24 hours.
8. Scrape the deck and blow or sweep the debris off the deck.
9. Apply 2 coats of **A-1100 Texture and Concrete Color Seal** with a roller at a rate of 125 to 150 square feet per gallon. Allow it to dry between coats.

Notes

Drains

Galvanized Thunderbird drains (2" or 3") are mandatory, and should be placed no 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 8"s, 16" on center with ¼" fall per foot better.

Plywood

5/8" or better, exterior grade, tongue and groove plywood, blocked and glued, with ¼" fall per foot. Nails should be screws or ring-shank nails. No OSB board or particleboard. This system is not approved over plywood that is less than 5/8" in thickness.

Sloping

This can be done by mixing one 50-pound bag of **A-900 Waterproofing Basecoat** with 1 gallon of **A-300 Concrete Bonder Admix**. Prime the surface before application with **A-300 Concrete Bonder Admix**. Do not allow the primer to dry before applying **A-900 Waterproofing Basecoat**.

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.