



A-22,000

Vapor Emission for Block Concrete Retaining Walls

Description

This specification includes application procedures, which significantly reduce levels of moisture emissions through concrete for block walls. The system consists of 3 components: **A-2250 Concrete Penetrating Sealer (C.P.S.)**, **W-8000 Wall Stamp Primer** and **W-8300 Wall Stamp**.

Surface Preparation

Surface Cleaning

Clean with **Americrete Degreaser A-100** 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 Specification 17,000.

Filling Spalls and Voids

The surface may require filling or patching prior to surfacing. Prime the surface with **W-8000 Wall Stamp Primer**, and pre-fill any low, voids or spalled areas with **W-8300 Wall Stamp**. The proper mix design will be determined by the depth of the repair. Feather all edges to match adjacent grades with a damp brush or trowel.

Application procedures will vary according to the job, but a typical application outline would consist of the following:

1. Follow surface preparation by grinding, sand blasting, etc. to remove sealer or foreign material.
2. Follow surface stabilization by applying 2 coats of **A-2250 Concrete Penetrating Sealer (C.P.S.)**, starting at the bottom and applying to the top. Allow to dry 24 hours.
3. Apply **W-8000 Wall Stamp Primer** to the wall with a paint roller. While primer (**W-8000**) is tacky mix 1 gallon of W-8000 into one bag of

- W-8300 Wall Stamp and apply to surface as a scratch coat at approximately 150 sq. feet per bag. Allow to dry.
4. Apply another coat of **A-2250 Concrete Penetrating Sealer (C.P.S.)** to the wall and allow to dry.
 5. Apply primer W-8000 at a rate of 200 square feet per gallon. Mix one gallon of **W-8000 Wall Stamp Primer** into **W-8300 Wall Stamp** and this mix will be applied at a rate of 100 square feet per bag.
 6. Repeat #4 application.
 7. Saturate the wall with **A-2250 Concrete Penetrating Sealer (C.P.S.)**.

Follow-up Testing

After the complete system has been installed, test the vapor transmission rate of the wall to determine if the wall meets required, acceptable limits for vapor transmission.

Note: While this system has had considerable success in significant reduction of moisture vapor emissions through concrete block walls (as high as 85% reduction), it is not represented as a cure-all for problem walls. Actual results will vary depending on many different factors such as location, climate, engineering, sub-grade, construction practices, mix design, etc.

Note: If acceptable limits have not been met, repeating the application may be required.

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.