



# ANTI-HYDRO®

## Admixture for Cement Parge Coat Waterproofing

### PRODUCT SPECIFICATION

1-5

Rev. 04/24

#### DESCRIPTION:

ANTI-HYDRO® is recommended for cement parge coat waterproofing. It has been successfully used since 1904 on concrete and masonry surfaces. It has been used on exterior or interior, above or below grade, positive or negative side to provide a continuous waterproof envelope. It improves workability and durability.

ANTI-HYDRO® is a non-corrosive solution of organic and inorganic chemicals that reacts with Portland cement to produce an impermeable cement coating that bonds perfectly to masonry or concrete substrates.

#### SPECIFICATIONS:

All concrete floor and wall surfaces, as indicated on plans and specifications, shall be waterproofed by the cement parge coat method using ANTI-HYDRO®.

#### MIX DESIGN:

Proportioning and mixing ANTI-HYDRO® Cement parge coat shall be as recommended by Anti-Hydro Products, LLC. and in accordance with project specifications.

##### • WALLS:

The cement coat mix shall consist of 1 part Type-1/Type-2 Portland cement by volume and 2 parts clean sand by volume. Then mix (gauge) with a solution of 1 part ANTI-HYDRO® to each 10 parts of water by volume. The mix shall not contain more than 3-1/2 gallons of mixing liquid per 94 lb. (1 bag) of Type-1/Type-2 Portland cement.

##### • FLOOR TOPPINGS:

Mix 1 part Type-1/Type-2 Portland cement, 1 part sand and 2 parts maximum / 4" pea gravel by volume. Then mix (gauge) with a solution of 1 part ANTI-HYDRO® to each 10 parts of water by volume. The mix shall not contain more than 3-1/2 gallons of mixing liquid per 1 bag (94 lbs.) of Type-1/Type-2 Portland cement.

#### SURFACE PREPARATION:

##### • WALLS AND FLOORS:

To ensure bond before application of ANTI-HYDRO® cement parge waterproofing coat, all surfaces shall be thoroughly roughened. All construction joints, sleeves, pipes, or conduits of any type shall be provided with a 3/4" x 1/2" groove or reglet. All cracks shall be cut to a width of 1" and a depth of 1 1/2". All shall be coated with ANTI-HYDRO® slush coat and filled with ANTI-HYDRO® cement parge coat. Wet cure for 24 hours.

ANTI-HYDRO® Slush Coat is prepared by stirring Type-1/Type-2 Portland cement into a mixture of 1 part ANTI-HYDRO® and 3 parts water, by volume, to the consistency of a heavy cream, then applied to the prepared surface.

#### APPLICATION:

*Prior to applying cement parge coat, surfaces must be Saturated Surface-Dry (SSD).*

##### • WALLS-

While the ANTI-HYDRO® Slush Coat is still wet, apply a scratch coat of ANTI-HYDRO® cement parge coat to a thickness of 3/8" before the application of the second (finish) coat. Use the ANTI-HYDRO® slush coat to bond the finish coat to the scratch coat. Total thickness of scratch and finish coat shall be a minimum of 5/8". The ANTI-HYDRO® cement parge coat shall be applied to all surfaces to form a continuous envelope to a point at least 1-foot above finish grade.

##### • FLOORS:

Floor shall be placed in one operation, be a minimum of 1" thick, and shall be waterproofed with ANTI-HYDRO® cement parge coat in the previous proportions. Floor cement coat may be floated and finished to a hard steel trowel finish. For ambient and substrate temperatures in excess of 80°F, use ANTI-HYDRO®-R in place of ANTI-HYDRO®.

#### MAINTENANCE:

All due diligence must be exercised to provide a regular and frequent maintenance plan to clean and protect the finished surface from severe or prolonged assault from chemical attack, abrasive attack or similar abuse

#### SAFETY:

Use approved safety glasses, rubber gloves, coveralls and work boots. Protect animals, vegetation and food items. Refer to the Safety Data Sheet (SDS) for details.

#### STORAGE:

Store in a dry, cool place. Keep containers tightly closed. Refer to the SDS for details. **KEEP AWAY FROM CHILDREN.**

#### ESTIMATOR'S DATA GUIDE:

1 gallon of ANTI-HYDRO® per 100 sq. ft. of ANTI-HYDRO® Cement Parge Coat

1 gallon of ANTI-HYDRO® for 150 sq. ft. of ANTI-HYDRO® Slush Coat

#### PACKAGING:

1-quart, 1-gallon, 5-gallon, 55-gallon or 275-gallon containers.



#### SERVICES:

Our technical staff is available to review product selection and detailing during the design stage.

#### WARRANTY:

Anti-Hydro Products, LLC. (Anti-Hydro) warrants its products to be free of manufacturing defects at the time of delivery to its customer and will, at its option, replace or refund the invoiced price of any materials proven to be defective. This limited warranty is in lieu of any other warranty or guarantee, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Anti-Hydro disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever beyond the invoiced price of the material to its customer.

To the best of our knowledge, the information contained herein is accurate. However Anti-Hydro Products, LLC.. does not assume liability whatsoever for the accuracy or completeness of information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present known or unknown hazards, please refer to the Safety Data Sheet (SDS) for this product. This notification may not be detached from the specification. Any copying and redistribution of the specification shall also include copying and redistribution of this notice. Our salespersons or representatives, distributors and their personnel have no authority to change the recommendations contained herein.

### PRODUCTS & TECHNOLOGY FOR CONCRETE AND MASONRY WORLDWIDE SINCE 1904

For over 120 years, Anti-Hydro Products, LLC has been integrally waterproofing many concrete and masonry structures all over the globe. The success of our core product Anti-Hydro "AH-1", has been attested not only by the commercial recognition accorded by its use in many prestigious projects worldwide, but also by tests performed by many governmental agencies and accredited independent laboratories.

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