



A-H® ARMORTOP

Chemical Hardening & Dustproofing Concrete Surfaces

PRODUCT SPECIFICATION

4-1

Rev. 07/24

DESCRIPTION:

A-H® ARMORTOP is an aqueous solution of silicates and fluosilicates combined with penetrating agents. When applied to concrete surface, It reacts with free lime and calcium carbonate. It binds soft, loose particles together to form a hard, vitreous layer on concrete surfaces. The A-H® ARMORTOP treated concrete surfaces resist abrasion, dusting and attack by many chemicals.

SPECIFICATIONS:

All concrete surfaces, as indicated on plans and specifications, shall be hardened and dustproofed by applying A-H® ARMORTOP, as manufactured by Anti-Hydro Products, LLC.

MIXING:

A-H® ARMORTOP shall be diluted prior to use. Mix 1 part A-H® ARMORTOP with 1 part water.

SURFACE PREPARATION:

Thoroughly clean the surface to remove any loose particles, paint, oil, grease, or other foreign materials.

APPLICATION:

New concrete floor slab surfaces must be at least 7 days old before A-H® ARMORTOP can be applied. To the prepared surface, apply an A-H® ARMORTOP water solution by spray, roller, brush, stiff broom, or Apply the diluted A-H® ARMORTOP at the rate of 1 gallons per 200 ft² depending on the finish of the concrete. Allow A-H® ARMORTOP to absorb and then apply a second coat of A-H® ARMORTOP water solution. For extremely porous floors, additional coats may be necessary.

TYPICAL PERFORMANCE DATA:

CHEMICAL RESISTANCE:

8 HOUR EXPOSURE

CHEMICAL

10% Chromic Acid
10% Hydrochloric Acid
30% Hydrochloric Acid
5% Lactic Acid
2% Nitric Acid
Potassium Dichromate
10% Sodium Hydroxide
20% Sodium Hydroxide
10% Sulfuric Acid
30% Sulfuric Acid

RESULT

No attack
White Stain only
White Stain only
Gray discoloration
No attack-gray spot
Yellow stain
Slight discoloration
Slight discoloration
White spot
White spot

24 HOUR EXPOSURE

CHEMICAL

3% Acetic Acid
Aluminum Chloride
Ammonium Chloride
85% Carbonic Acid
85% Phosphoric Acid
Salt Brine
Sodium Sulfate
Sodium Sulfite
Tannic Acid
Zinc Sulfate

RESULT

No effect
Discoloration
Discoloration
No action
Slight attack
Discoloration
Discoloration
No effect
Heavy Brown spot
Discoloration

* The above laboratory results may vary dependent on real or field conditions.

PRECAUTIONS:

APPLICATION:

Use on gray concrete surfaces only. Do not use on colored concrete. It is important to rinse off the excess A-H® ARMORTOP upon completion. If this practice is not followed, A-H® ARMORTOP will harden on the floor, turn to a milky white, and cannot be removed without grinding.

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:

Hard troweled finish 200 ft²./gal.
Float finish 150 ft²./gal.
Soft, porous surface 100 ft²./gal.

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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