



A-H ACCELLO®

Admixture for Placing Concrete & Masonry in Cold Weather

PRODUCT SPECIFICATION

8-5

Rev. 05/24

DESCRIPTION:

A-H ACCELLO® is a set accelerating admixture that has been used in cold weather construction, generally in temperatures below 40°F for concrete and masonry. It reduces finishing time and increases early strengths allowing for early removal of forms. It also improves workability and finishing properties.

SPECIFICATIONS:

In cold weather, all concrete and masonry, as indicated on plans and specifications, shall be placed and protected by using A-H ACCELLO® admixture, as manufactured by Anti-Hydro Products, LLC.

RECOMMENDATIONS FOR COLD WEATHER CONCRETE:

1. Early development of compressive strength of 500psi in the concrete will prevent damage due to early freezing.
2. Heated water and aggregates should be used. Maximum temperatures are as follows: Mixing water 150°F; Aggregates 200°F; Concrete 80°F; The recommended temperature of concrete being placed should be 55°F, in accordance with ACI-306.
3. Protect concrete during early curing stages against change in temperature. Do not place concrete toppings on base slabs that are below 30°F.
4. Protect exposed concrete from elements.

RECOMMENDATIONS FOR COLD WEATHER MORTAR:

1. Early development of strength in the mortar will prevent damage due to early freezing.
2. The warmer the aggregates, water and masonry units the greater the cold weather protection. The maximum temperatures of the mixing water should be 150°F.
3. Cover all masonry at the end of the workday to prevent water saturation from rain.

MASONRY MORTARS, STUCCO AND PLASTER:

Mortars shall conform to the requirements of Type "M" or Type "S" (ASTM C-270). Use Type 1 or Type 2 Portland cement with no more than 25% lime (1-part Portland cement plus 1/4 part lime to 3 part clean, sharp sand conforming ASTM C-144). ACI 306.

ESTIMATOR'S DATA GUIDE: CONCRETE-

Temperatures must include wind chill conditions

TEMPERATURE RANGE

From 40°F to 32°F
 From 31°F to 23°F:
 From 22°F to 20°F:
 From 19°F to 15°F:

A-H ACCELLO® REQUIRED

1 gallon per cubic yard.
 1-1/2 gallons per cubic yard.
 2 gallons per cubic yard.
 3 gallons per cubic yard.

MASONRY MORTARS, STUCCO AND PLASTER:

Protect cement mortars against freezing, for anticipated outside air temperatures, and wind chill conditions.

TEMPERATURE RANGE

From 32°F to 25°F:
 From 24°F to 15°F:
 14°F or Less:

A-H ACCELLO® & WATER MIX

1 part A-H ACCELLO® with 12 parts water.
 1 part A-H ACCELLO® with 10 parts water.
 Mechanical heating is necessary.

To protect masonry cement or lime mortars at temperatures as low as 25°F, use 1 part A-H ACCELLO® with 10 parts water.

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.**

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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