HYDRATITE PLUS
Water Repellent and Shrinkage Control Mortar Admixture

DESCRIPTION
HYDRATITE PLUS is a combination of complex organic and inorganic polymers on a siliceous base which, when added to mortar, minimizes shrinkage, controls efflorescence, increases the plasticity of the mortar mix and imparts water repellency properties to the cured mortar. Its chemical action retains mixing water in mortar long enough for proper hydration without shrinkage.

USE
HYDRATITE PLUS is added to mortar used on all types of masonry units to prevent premature loss of mixing water, increase workability and to allow mortar to develop water repellent properties. Shrinkage is controlled. Mortar joints are tight.

The passage of water through masonry units dissolves salts of sodium, calcium and potassium, carrying these salts to the surface of the unit. The salts then crystallize to form efflorescence, an objectionable discoloration of the masonry surface. HYDRATITE PLUS provides efflorescence control during construction by preventing excessive absorption and diffusion of water through masonry units.

Typical uses include below grade construction, such as foundation and basement walls, and above grade structures such as retaining walls and storage tanks.

MIXING PROPORTIONS
HYDRATITE PLUS should be mixed with the dry Portland cement before the addition of water. Add to the dry mix 1.0 pound of HYDRATITE PLUS for each 94 pound bag of cement. Add an additional 1.0 pound of HYDRATITE PLUS for each bag of lime used.

PACKAGING
50 pound polylined bags

STORAGE
40 TO 90°F. Protect from moisture.

SHELF LIFE
2 years in original sealed containers, in protected storage.

CAUTIONS
Do not use below 40°F or above 95°F. Follow practices recommended by ACI guidelines. Do not use with other additives without prior testing.

ENVIRONMENTAL AND SAFETY PRE-CAUTIONS
Contains silica aggregate. Do not breathe dust. May cause delayed lung injury (Silicosis). IARC reports Crystalline silica may cause cancer in humans. In case of eye contact, flood eyes with potable water and call a physician. DO NOT RUB EYES. Wash skin thoroughly after handling and before smoking or eating. Use adequate ventilation. Sweep up spilled powder and handle as non-hazardous nuisance dust according to local regulations.

READ MATERIAL SAFETY DATA SHEET BEFORE USING. MATERIAL IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN AND ANIMALS. EMERGENCY RESPONSE PHONE NUMBERS ARE (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Test Results</th>
<th>Ref.</th>
<th>Hydratite</th>
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<tbody>
<tr>
<td>Water Repellency 2&quot; Cubes, ASTM C109</td>
<td></td>
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</tr>
<tr>
<td>1/4&quot; Immersion, 1 hour</td>
<td>100</td>
<td>57</td>
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<tr>
<td>Relative Absorption, %</td>
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<tr>
<td>Total Immersion, 2 hours</td>
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<td>65</td>
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<tr>
<td>Relative Absorption</td>
<td></td>
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</tr>
</tbody>
</table>

TECHNICAL SERVICE
For other questions not answered herein please contact:

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