

## DESCRIPTION

HydroMax® is an internal curing admixture that provides an internal source of hydration to complete all chemical reactions of hydration products throughout cement hydration as needed to replace moisture lost through evaporation or self-desiccation. This process can minimize the development of autogenous shrinkage, help in avoiding early-age cracking, and improve strength.

## APPLICATIONS

- Concrete exposed to freeze/thaw
- Low w/cm concrete
- High performance concrete
- Concrete containing silica fume
- High temperature concrete

## ADVANTAGES

HydroMax® is especially useful in modern concrete mixes that require reduced autogenous shrinkage or moist curing for longer periods to hydrate, resulting in the following improvements to quality:

- Increased hydration of cement
- Improved durability
- Increased freeze/thaw resistance.
- Reduced permeability
- Reduced segregation and bleeding.
- Improved plasticity and workability.
- Increased resistance to scaling.

## TYPICAL SPECIFICATION CLAUSE

“Concrete shall be internally cured with HydroMax® Internal Curing Admixture manufactured by ProCure. Material to be used in strict accordance with manufacturer’s instructions.”

## COMPATIBILITY

HydroMax® does not contain calcium chloride or other chloride-based ingredients and may be used in combination with other non-chloride admixtures or admixture systems. HydroMax® will neither initiate nor promote corrosion of reinforcing steel in concrete. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix.

## PACKAGING

HydroMax® is supplied in specially designed pre-dosed canisters.

## TYPICAL PROPERTIES

Color:	blue (blue/gray)
Physical state:	solid (dustless powder)
pH (in water):	10.5 - 12.7
Density:	0.7 gm/ml
Specific Gravity:	2.7-3.1

## STANDARDS

HydroMax® meets the standards of ASTM C494 Type S

## GUIDELINES FOR USE

HydroMax® is added at the slump rack after all other materials in the mix have been loaded. When adding HydroMax® to the load, bring the mix to the top of the drum so the admixture can be placed directly onto the fresh mix. Dumping it on the mix in this manner will help convey it deep enough into the drum to adequately mix. After adding HydroMax®, wash the drum as normal. Mix for 5 minutes before discharging.

### DOSAGE

HydroMax® admixture is recommended for use at a dosage of 1.5-2.0 oz/cwt (0.95-1.25 g/kg) of cement (cementitious materials) for most concrete mixtures using average concrete ingredients. Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your local HydroMax® representative.

### STORAGE & SHELF LIFE

Store between 41°F (5°C) and 95°F (35°C) in unopened original containers. Protect from direct sunlight and freezing. Shelf life is at least one (1) year.

### NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local HydroMax® representative.

### WARRANTY

Procure, a division of Advanced Chemical Technology, LLC (ProCure) warrants that ProCure products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of ProCure, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at ProCure's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF PROCURE. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PROCURE SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of ProCure has the authority to make any representations or provision except as stated herein. ProCure reserves the right to change the properties of its products without notice.