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OCTOBER 2018
(Supersedes January 2013)**HYDRASET®****Calcium Chloride Concrete Set Accelerator****DESCRIPTION**

HYDRASET calcium chloride concrete set accelerator is a ready-to-use, liquid admixture. It accelerates initial setting time one to three times faster than normal mortar and concrete.

HYDRASET improves workability and strength while hastening the hydration of cement. It makes the mix easier to place and speeds construction by shortening the initial set and curing time. Time and labor are saved because forms and other protection can be removed earlier and finishing can be started.

HYDRASET should not be limited to use during months when temperatures are in the 20° - 45° F (-7° - 7° C) range. Increased workability and earlier strength are also obtained when temperatures are in the 50° - 65° F (10° - 18° C) range because any time the temperature drops below 70° F (21° C) there is a reduction in the rate of cement hydration. During cold and hot weather application, follow ACI 305 and 306 recommendations.

USES

HYDRASET is recommended for use during cool and cold weather to accelerate the set time and reduce the risk of frozen mortar and concrete mixes. However, HYDRASET can be used any time you want to accelerate the set time to decrease turnaround time.

FEATURES/BENEFITS

- HYDRASET accelerates initial set time one to three times faster than normal concrete and mortar.
- Aids in strength development.
- Speeds up hydration of cement.
- Increases workability of concrete or mortar mix in colder temperatures.
- Speeds construction due to reduced setting and curing time.
- Allows earlier removal of concrete forms or other protection.
- Permits earlier finishing.

PACKAGING

5 Gallon (18.93 Liter) Pails
55 Gallon (208.20 Liter) Drums

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 40° - 90° F (4° - 32° C), optimum performance and best use is obtained within one year of date of manufacture.

SPECIFICATIONS

- ASHTO M 194, Type C
- ASTM C494, Type C
- Corps of Engineers CRD C 87, Type C

APPLICATION

HYDRASET is added directly to the mix water. Reduce the amount of water by 5 - 7% to compensate for the liquid addition. For masonry mortar, two quarts (1.89 liters) of HYDRASET for each 94 lb. (42.73 kg) bag of cement should be used. For mortar cements that are 50% Portland cement and 50% lime, one-half the amount, or one quart (950 ml) of HYDRASET, is required.

CONTINUED ON THE REVERSE SIDE...**W. R. MEADOWS, INC.**

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For concrete, the following quantities are recommended:

SUGGESTED QUANTITY OF HYDRASET FOR EACH TEMPERATURE 94 LB (42.73KG) BAG OF RANGE CEMENT	
Above 70°F (21°C)	1 pt (.47 L)
70° to 32°F (21° to 0° C)	1 qt (.95 L)
32° to 25°F (0° to -4° C)	1 to 1 1/2 qt. (.94 to 1.42 L)
25° to 20°F (-4° to -7° C)	2 qt. (1.89 L)

PRECAUTIONS

HYDRASET affects only the Portland cement portion of the mix and is not an antifreeze for the water portion. HYDRASET has no effect on straight lime mortars and should not be used with oxychloride stuccos. Use HYDRASET directly from the factory-sealed container; do not dilute. Avoid direct contact. Ingestion may cause moderate to severe irritation of the digestive tract. Read and follow complete application information and precautions on container prior to use. Consult Safety Data Sheet for complete health and safety information.

LEED INFORMATION

- May help contribute to LEED credits:
- MRc9: Construction and Demolition Waste Management
 - EQc2: Low-Emitting Materials [For Healthcare and Schools (exterior-applied products) ONLY]

For most recent data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.