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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 and in original, unopened containers at temperatures between 40 - 90° F (4 - 32° C), shelf life is a minimum of one year from date of manufacture.

SPECIFICATIONS

AASHTO M 194, Type C
ASTM C 494, 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 REVERSE

For concrete, the following quantities are recommended:

<u>TEMPERATURE RANGE</u>	<u>SUGGESTED QUANTITY OF HYDRASET FOR EACH 94 lb. (42.73 kg) BAG OF CEMENT</u>
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 product Material Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials
- IEQ Credit 4.2: Low-Emitting Materials: Paints and Coatings
- IEQ Credit 4.3: Low-Emitting Materials: Flooring Systems

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

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