



# HYDRO-SET

CONCRETE & MORTAR ACCELERATOR

**Builders**  
CONSTRUCTION PRODUCTS

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**Description:**

**Hydro-Set** is a Calcium Chloride based solution containing wetting additives to accelerate the setting time and acts as a densifier for all Portland cement mixes. Most mixes can set hard in 1-3 minutes depending on ambient temperature and dosage.

**Uses:**

This product is used to increase the hydration rate of the cement paste. It also reduces permeability and water vapor transmission and is used as an additive to make quick setting underwater leak repair mortar. It can be used as a cold weather accelerator on concrete and mortars.

**Limitations:**

**Hydro-Set** is not recommended for metal reinforced embedment since it is corrosive to metals. This impediment cannot be overcome by epoxy coating rebar, wires and any metal reinforcement prior to installation. It is recommended to use an alternative non-corrosive admixture if reinforcement is a critical component.

*There are chloride free solutions when using with metal reinforcement. Call our office for more information on alternative products available.*

**Installation:**

Added to the mixing water at the recommended dosage before integrating with the Portland Cement mix. Use mortar as soon as possible and only mix enough that can be used in the allotted time. If added to concrete redimix, it is preferable to add the chemical unaltered to the mixer on the job site and mix at least 70 revolutions prior to pouring.

**Packaging:**

5 gallon pails, 4 1-gallon cases and 55 gallon drums, 275 gallon totes.

**Compliance:**

ASTM D-98 Type L, ASTM C-494 Type C

**Clean-up:**

Clean spills immediately. Use soap and water.

**Safety:**

Irritant to skin, eyes and mucous membranes. Do not ingest. Use plenty of clean water to wash skin and eyes. Seek

medical attention if irritation persists. If accidentally ingested induce vomiting and seek medical attention immediately. Hydro-Set is a Calcium Chloride accelerator for Portland cement mixes. Do not use on reinforced concrete structures because it will promote corrosion in steel and in galvanized metals that will produce hazardous gases. Wear rubber or non-absorbent material gloves so as to eliminate the possibility of alkaline burns. Use protective eye equipment and skin protection when working with this product. Keep away from children and pets. Dispose of product observing local ordinances.

**Do not mix with metallic grouts or over Zinc Coatings.**

**Typical dosages:**

Temperature F°	Dosage per 94# of Portland
80 and rising	1 Pint (16 ounces)
70 to 79	1 Quart (32 ounces)
50 to 70	1.5 Quarts (48 ounces)
30 to 50	1/2 Gallon (64 ounces)
20 to 30	3/4 Gallons (96 ounces)
30 and below	1 Gallon (using thawed water)

*This is only a ref-*

*erence. Field testing is encouraged to establish proper dosages.*

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DIV-03-04 Concrete & masonry Materials

**Warranty:** When product is used according to directions and when properly used, warranty is limited to one year after product is supplied to the purchaser in the original container. Refund of the purchase price only if deemed defective at manufacture. This product is intended for industrial professional use by competent tradesmen with sufficient knowledge and experience on use and proper handling of these products. The purchaser agrees to assume all responsibility for installation, product selection, application, job warranties, use, transport and disposal of product. Builders Construction Products shall not be liable to the purchaser or any third party for costs of labor or direct or indirect and incidental or consequential damages related to the use transport or suitability of this product. No other warranties are implied. Responsible disposal of used products and packaging is the responsibility of the purchaser and or user. This product does not contain hazardous or controlled substances considered harmful to the environment.

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FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN AND PETS.

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“THE QUALITY OF OUR COMPANY SHOWS IN IT’S PRODUCTS”

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