

HydraStop™ Hydration Stabilizer

General Description

HydraStop™ is a hydration stabilizer which helps maintain slump and proper set times of freshly produced concrete over extended haul times and increased ambient temperatures. HydraStop is used to offset issues caused by extended haul times, excess drum revolutions or the effects of temperature and time. HydraStop is especially helpful in the summer months when hydration is accelerated due to higher ambient and mix temperatures. HydraStop aids in controlling concrete temperature when a maximum mix temperature is specified. Concrete performance properties are maintained while exceeding the requirements of ASTM, AASHTO and CRD specifications.

How to Use / Dosage

Follow these instructions carefully:

- After fresh concrete has been thoroughly mixed, determine temperature of the concrete.
- Determine the total cementitious content per yard of the concrete mix design. This is the total weight of the cement, fly ash, and all other pozzolans in the mix loaded into the mixer truck.
- Calculate the dosage per cubic yard using the table on this page.
- After HydraStop has been added; mix truck for 2 min. at fast mixing speed and 5 min. at normal mixing speed.
- Complete addition of HydraStop within 15 minutes of initial contact of mixing water with dry cementitious materials.
- Once mixing is finished, proceed to job site with mixer revolving as slow as possible.

*Extended Haul Dosage Chart - oz. per 100 lbs. of cementitious

Concrete Temperature (F)	Retardation (Hours)				
	.5 - 1 hrs.	>1 - 1.5 hrs.	>1.5 - 2 hrs	> 2 - 2.5 hrs.	2.5 - 3 hrs.
100 - 109° F	5.0	5.5	6.0	7.0	7.5
90 - 99° F	4.0	4.0	5.5	6.0	7.0
80 - 89° F	3.0	3.0	4.5	5.0	6.0
70-79° F	2.0	2.0	3.5	4.5	5.5
60-69° F	1.0	1.0	3.0	4.0	4.5

Over 3 hours, add 1 ounce/cwt. of HydraStop to chart above per each 30 minutes beyond 3 hrs. of retardation desired.
* Due to variances in materials, this chart is for recommended purposes only, trial batches should be performed to determine exact dosage requirements.

Specifications

Conforms to:
ASTM C 494 Types B and D
AASHTO M 194 Types B and D
CRD C 87 Types B and D

Health & Environmental Data

Please refer to the Safety Data Sheet for complete health, safety and environmental information.

Packaging / Shelf Life

55 gallon drum • Totes • Bulk deliveries

Store between 32°F & 100°F. Product should be used within 12 months of delivery.

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