

Retarding Admixture For Use in Portland Cement Concrete

Supplier	Brand	Dosage Rate
BASF Construction Chemicals Cleveland OH	MasterPozzolith 200	Up to 6 oz per 100# cement
	MasterPozzolith 700	Up to 7 oz per 100# cement
	MasterPozzolith 80	3 - 10 oz per 100# cement
	MasterSet DELVO	4 ± 1 oz per 100# cement
	MasterSet R 100	3 ± 1 oz per 100# cement
	MasterSet R 300	4 ± 1 oz per 100# cement
	MasterSet R 961	4 ± 1 oz per 100# cement
Chryso, Inc. Rockwall TX	Chryso Tard 125	2 - 7 oz. per 100# cement
Fritz-Pak Corporation Mesquite TX	FR-1	1.5 – 2.0 oz. per 100# cement
	Mini Delayed Set	
	Standard Delayed Set	
GCP Applied Technologies Inc. Cambridge MA	Daratard 17	2 - 8 oz. per 100# cement
	Daratard HC	2 - 4 oz. per 100# cement
	Recover	2 - 6 oz. per 100# cement
	WRDA with Hycol	4.5 - 8 oz. per 100# cement
	WRDA-35	5 - 8 oz. per 100# cement
	WRDA-79	7.5 - 15 oz. per 100# cement
	WRDA-82 (Type D)	3 - 10 oz. per 100# cement
	Zyla 610	2 - 7 oz. per 100# cement
	Zyla R	2 - 8 oz. per 100# cement
General Resource Technology, Inc. (GRT) Eagan MN	Polychem R (Type D)	*2 - 5 oz. per 100# cement

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Hunt Process Corp. Southern Ridgeland MS	HPS-R	*5 - 8 oz. per 100# cement
Premiere Concrete Admixtures Pioneer OH	Optiflo 100R	3 - 5 oz. per 100# cement
RussTech, Inc. Louisville KY	LC-400P	5 - 8 oz. per 100# cement
	LC-400R	3 - 6 oz. per 100# cement
Sika Corporation New Construction Mesquite TX	Sika Plastiment (Type D)	*2 - 6 oz. per 100# cement
The Euclid Chemical Company Cleveland OH	Eucon LR	*6 oz. per sack of cement
	Eucon NR	4 oz. per 100# cement
	Eucon Retarder 100	2.5 - 5.0 oz. per 100# cement
	Eucon Retarder 75	3 - 5 oz. per 100# cement
	Eucon W.O.	4 - 16 oz. per 100# cement
	Eucon WR	2 - 10 oz. per 100# cement
	Eucon WR-91	3 - 8 oz. per 100# cement

* Classed as a type D at this dosage rate

Method of Documentation of Acceptance:

By brand and source.

Method of Approval:

**THE FOLLOWING PROCEDURE IS TO BE USED IN ACQUIRING
APPROVAL OF RETARDING AGENTS:**

- The manufacturer/supplier shall provide the Materials Division with a test report from a recognized laboratory indicating compliance with AASHTO M 194, Standard Specification for Chemical Admixtures for Concrete. A recognized laboratory is any State Highway Agency, Federal Highway Administration or independent laboratory regularly inspected by the National Institute of Standards and Technology. All test reports shall include the manufacturer's name, brand

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name of the material, and date of testing.

• In addition to the requirements of the AASHTO Specification, the manufacturer/supplier shall include:

- The type material, B or D – (B: Retarding admixture, or D: Water-reducing and retarding admixture).
 - The constituents of the retarder (Example – This material is a solution of calcium salt of lignosulphonic acid).
 - The chloride content of the admixture and whether or not chloride was added during its manufacture.
 - Recommended dosage rate.
 - Uniformity and equivalence tests according to AASHTO M 194 to provide results against which later comparison can be made. Where the nature of the admixture or the Department's testing capabilities may make some or all of the procedures unsuitable, other requirements may be established by agreement between the Department and the manufacturer.
- A sample of the retarding agent will be supplied to the Materials Division at the following address. Product information and Safety Data Sheets (SDS) must be included.
- If the product meets material requirements, the product will be approved for inclusion after receipt of a signed QPL certification.
- Destination samples will be taken as deemed necessary to assure compliance with specifications. Material failures either in the laboratory or in field applications may be considered sufficient cause to reject the material. The Materials Engineer will determine if the failures warrant discontinuing acceptance and removal from this QPL.

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.