

Cement

AASHTO M85 - Portland Cement

Supplier	Location	Brand
Ash Grove Cement Company	Chanute, KS	Type I/II
		Type III
	Foreman, AR Midlothian, TX	Type I/II Type I/II
Atlantic Sunshine, LLC	Ha Nam, Vietnam - Xuan Thanh Cement JSC	Type I/II
	Nghe An Province, Vietnam - Song Lam Cement JSC	Type I/II
Buzzi Unicem USA, Inc.	Chattanooga, TN - Signal Mountain Cement	Type I/II
Continental Cement Company	Izmit, Turkey - Nuh Cimento	Type I/II
Holcim (US) Inc. (a LafargeHolcim Company)	Milaki, Greece - Heracles General Cement Company	Type I/II
Lehigh Cement Company	Leeds, AL	Type I/II
Martin Marietta Materials, Inc.	Midlothian, TX	Type I/II
		Type III
Ozinga Cement	Nghe An Province, Vietnam - Song Lam Cement JSC	Type I/II

AASHTO M240 - Blended Hydraulic Cement

Supplier	Location	Brand
Argos Cement USA	Calera, AL	Type II
Ash Grove Cement Company	Chanute, KS	Type II
	Foreman, AR	Type II
	Midlothian, TX	Type II
Buzzi Unicem USA, Inc.	Cape Girardeau, MO	Type II
	Festus, MO	Type II
	New Orleans, LA	Type IS
	Pryor, OK	Type II
Central Plains Cement Company	Sugar Creek, MO	Type II
	Tulsa, OK	Type II
Continental Cement Company	Buffalo, IA	Type II
	- Davenport Plant	
	Hannibal, MO - Hannibal Plant	Type II
	Medcem, Turkey	Type II

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AASHTO M240 - Blended Hydraulic Cement

Supplier	Location	Brand
Holcim (US) Inc. (a LafargeHolcim Company)	Ada, OK	Type II
	Bloomsdale, MO - St. Genevieve Plant	Type II
	Grand Chain, IL - Joppa Plant	Type II
	Milaki, Greece - Heracles General Cement Company	Type II
	Wilaya de M'sila, Algeria - Lafarge Cement Algeria M'sila	Type II
Monarch Cement Company	Humboldt, KS	Type II

AASHTO M302 - Slag Cement

Supplier	Location	Brand
Buzzi Unicem USA, Inc.	Anshan City, Liaoning, China	Aucem Grade 100
Holcim (US) Inc.	Birmingham, AL	GranCem
Skyway Cement Company LLC	Chicago, IL	GranCem

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Method of Documentation of Acceptance:

By the manufacturer's certified shipping notice in accordance with the attached agreement.

Note: Some manufacturers are importing foreign cement. This cement is tested, certified, and accepted in accordance with certified supplier procedures. All cement manufacturing plants and their location/s should be identified on the certified shipping notice.

The inspector shall document on the REPORT OF TESTS OF CONCRETE CYLINDERS the name of the manufacturer/supplier, source location and the type of cement.

Method of Approval:

Cements are accepted for use on Arkansas Department of Transportation projects based on certification by the supplier. Suppliers are the entities that have responsibility for the final properties of the cement. Cement is required to conform to the requirements stated in the Standard Specifications for Highway Construction. In order to supply cement, the following must be provided and approved by the Department prior to acceptance of the agreement:

- Documentation of the facility test laboratory's AASHTO accreditation or participation in Cement and Concrete Reference Laboratory (CCRL) inspections and reference sample programs or other Department approved accreditation programs.
 - Historical analysis data showing conformance with the specification requirements for the cement types to be approved.
 - Submittal of a split sample of at least 10 pounds and manufacturer's test data for each cement type to be approved.
- Portland Cements shall comply with AASHTO M85
 - Blended Hydraulic Cements shall comply with AASHTO M240
 - Slag Cements shall comply with AASHTO M302, Grade 100 or higher

AGREEMENT FOR THE ACCEPTANCE OF CEMENT BASED ON CERTIFIED MILL TESTS

Cement will be accepted by the Arkansas Department of Transportation based on the manufacturer's/suppliers certification that the material meets all requirements of applicable Department specifications under the following conditions:

- The manufacturer/supplier shall maintain a file of their test results and methods of testing. The laboratory shall be inspected periodically by the Cement and Concrete Reference Laboratory(CCRL). Upon request, the manufacturer/supplier shall make reports of inspections available to the Department.
- Mill analyses of the cement to be certified and shipped to Department projects shall be furnished to the Department's Materials Division. Mill analysis must reference plant of origin.
- Shipments to Department projects shall be made only from bins (silos) that have been tested and found to meet Department specifications. No cement shall be shipped prior to satisfactory completion of three-day compressive strength tests. Portland cement

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from different manufacturing plants will not be intermixed at terminals.

• The manufacturer/supplier shall furnish a certification with each shipment. A copy of this certification shall be furnished to the Resident Engineer. The certification shall include the following:

- Consignee
 - Date and time of shipment
 - Truck and/or railroad car number
 - Quantity of cement shipped
 - Type of cement shipped
 - Pretested silo number the cement is shipped from
 - The following statement:
 - “This is to certify that the type of cement in this shipment is from pretested silo number _ and complies with the AASHTO specification for the type of cement shipped.”
 - Origin facility of the cement
 - Signature of responsible company official
- A monthly composite sample of at least 10 pounds shall be sent to the Materials Division. This monthly composite sample shall be composed of approximately equally sized cement samples obtained from pretested bins. A composite sample shall be sent for each type of cement approved for supply to Department projects. Composite samples shall be supplied from the manufacturing plant, not from the terminals.
- Destination samples may also be collected as deemed necessary to assure compliance with specifications. Failure of these samples may be considered sufficient cause to reject the cement and suspend further shipments until tests by the Department determine that the manufacturer’s/supplier’s product is in compliance with applicable specifications and requirements.

Failure of cement to comply with the above requirements will be considered sufficient reason for removal of the product from the Qualified Products List.

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