

## Cement

### AASHTO M85 - Portland Cement

<b>Supplier</b>	<b>Location</b>	<b>Type</b>
Ash Grove Cement Company	Chanute, KS	Type III
	Foreman, AR	Type I/II
	Midlothian, TX	Type I/II
Atlantic Sunshine, LLC	Vicksburg, MS	Type I/II
Martin Marietta Materials, Inc.	Midlothian, TX	Type I/II
		Type III
Ozinga Cement	Chicago, IL	Type I/II

### AASHTO M240 - Blended Hydraulic Cement

<b>Supplier</b>	<b>Location</b>	<b>Type</b>
Amrize	Bloomsdale, MO	Type II
	- St. Genevieve Plant	
	Grand Chain, IL	Type II
Ash Grove Cement Company	- Joppa Plant	
	Theodore, AL	Type II
	Chanute, KS	Type II
Buzzi Unicem USA, Inc.	Foreman, AR	Type II
	Midlothian, TX	Type II
	Cape Girardeau, MO	Type II
Central Plains Cement Company	Festus, MO	Type II
	Pryor, OK	Type II
	Sugar Creek, MO	Type II
Monarch Cement Company	Tulsa, OK	Type II
	Humboldt, KS	Type II
Quikrete Cement	Buffalo, IA	Type II
	- Davenport Plant	
	Calera, AL	Type II
	Hannibal, MO	Type II
	- Hannibal Plant	
Medcem, Turkey	Type II	

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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:

All cement manufacturers shall participate in AASHTO Product Evaluation & Audit Solutions (formerly National Transportation Product Evaluation Program (NTPEP)) for Portland & Blended Cement (PBC) and shall have successfully met the requirements of the program audit. This program requires an annual audit by NTPEP or its representatives that will determine whether the producing mill has the capabilities to consistently meet the specification requirements for the cement produced. If the NTPEP audit is not kept current, the cement manufacturer will be removed from the QPL.

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. 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

### **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.
- Certified mill analyses of the cement shall accompany each shipment and must

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reference the plant of origin. Monthly mill test reports must be sent to the ARDOT Materials Division.

- 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. Cement from different manufacturing plants shall 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 bi-annual composite sample of at least 10 pounds shall be sent to the Materials Division for January and July. This 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 complies 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.