

## Portland Cement

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

### Method of Documentation of Acceptance:

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

**Note:** Some manufacturers are importing foreign portland cement. This portland cement is tested, certified and accepted in accordance with certified supplier procedures. All portland cement manufacturing plants and their location/s should

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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 cement.

### DESTINATION SAMPLING AND TESTING

Materials Division will request random samples through the Resident Engineer. These random samples shall be taken from the transport trailer/railroad car and be identified by:

- Name of producer/supplier/terminal/plant
- Cement Type
- Bill of Lading Number
- Producer/supplier bin (silo) number
- Mill test number

### Method of Approval:

Portland 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 portland cement. Portland cement is required to conform to the requirements stated in the Standard Specifications for Highway Construction. In order to supply portland 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 portland cement types to be approved.
- Submittal of a split sample of at least 10 pounds and manufacturer's test data for each portland cement type to be approved.

### AGREEMENT FOR THE ACCEPTANCE OF CEMENT BASED ON CERTIFIED MILL TESTS

Portland 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 (AASHTO M 85) 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.

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- Mill analyses of the portland 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 portland cement shall be shipped prior to satisfactory completion of three day compressive strength tests. Portland cement from different manufacturing plants will not be intermixed at terminals.
- The manufacturer/supplier shall furnish with each shipment a certification containing the following:
  - Consignee
  - Date and time of shipment
  - Truck and railroad car number
  - Quantity of portland cement shipped
  - Type of cement
  - Bin (silo) number from which shipped
  - Statement that "This is to certify that the type cement in this shipment is from pretested bin (silo) number \_\_\_\_\_ and complies with the AASHTO specification for the type shipped."
  - Name of cement plant of origin
  - Signature of responsible company official

One copy of the shipment certification form for the Resident Engineer shall accompany the shipment.

- A monthly composite sample of at least 10 pounds will be sent to the Materials Division. This monthly composite sample will be composed of approximately equally sized cement samples obtained from pretested bins. A composite sample will be sent for each type of cement approved for supply to Department projects. Composite samples will be supplied from the manufacturing plant, not from the terminals.
- Destination samples will also be collected as deemed necessary to assure compliance with specifications. Failure of these samples may be considered sufficient cause to reject the portland 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 portland 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.