



# Portland Cement Types I, II, III, IL

## Manufacturer:

**Kosmos Cement Company**

15301 Dixie Highway - Louisville, KY 40272

(502) 933-0122 - [www.kosmoscement.com](http://www.kosmoscement.com)

## Product Description and Basic Uses:

The Kosmos Cement plant produces portland cements which meet the requirements for both Type I and Type II, and may be designated as Type I,II. Some cements are formulated with a maximum alkali content of 0.60%, and are available upon request. Kosmos also produces Type IL portland-limestone cement.

### Type I,II

General-purpose cement, suitable for all uses. Possesses moderate sulfate resistance and moderate heat of hydration properties. Used when the referenced properties are desired.

### Type III

Provides higher strengths at earlier ages as compared to Type I. Type III is very similar to Type I, except its particles have been ground finer, making it more reactive. Type III portland cements are useful when quick form turn-around times are desired.

### Type IL

Portland-limestone cement (PLC) is engineered with a higher limestone content to reduce the carbon footprint of concrete, performs similar to Type I,II cement, and is suitable for the same applications. Kosmos PLC possesses moderate sulfate resistance and moderate heat of hydration properties, and can be used to mitigate the risk of alkali-silica reactivity when specified.

## Quality:

Kosmos Cement Company is committed to quality and takes pride in the products we manufacturer. We use only high quality raw materials and strict quality control procedures, and are the local leader in quality cement production.

## Availability:

Portland cement is available in bulk and bagged quantities through our plant and terminal network, and can be ordered by contacting Kosmos Sales at (502) 933-7331, or [orders@kosmoscement.com](mailto:orders@kosmoscement.com).

## Standards:

Type I, Type II, Type III cements meet the standard requirements of ASTM C150 / AASHTO M 85, Standard Specification for Portland Cement. Type IL cement meets the standard requirements of ASTM C595 / AASHTO M 240, Standard Specification for Blended Hydraulic Cement.

## Product Precautions:

Products may cause severe burns and injuries to the skin, eyes, lungs and digestive system. Avoid contact with skin and eyes. Wash exposed skin with soap and water. In case of eye contact, flush eyes immediately and thoroughly, and in both instances, consult a physician immediately. Breathing Product dust may cause nose, throat or lung irritation or choking. Prolonged exposure to Products may cause lung injury, including silicosis and products may contain crystalline silica, a substance that may cause lung cancer. If breathing becomes difficult due to exposure, remove exposed person to fresh air and consult a physician. Gross ingestion of products may cause digestive system injuries or intestinal discomfort. If ingestion occurs, do NOT induce vomiting, but drink plenty of water and consult a physician. Keep out of the reach of children. Follow directions and warnings on Product packaging. For other precautions, please refer to the Kosmos Cement Company's Safety Data Sheets.

## Warranty:

LIMITED WARRANTY. The Products shall conform to applicable specifications of the American Society for Testing and Materials, and other specifications. Seller, having no control over the use of the Product does not guarantee finished work, nor shall Seller be responsible for the condition of the Product after delivery to the Buyer. Charges incident to inspection or testing made by or on behalf of Buyer to determine compliance with specifications shall be paid for by Buyer.

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