

Product Data Sheet

Division 3 — Concrete
Division 4 — Masonry



PRODUCT NAME

- Lehigh White Portland Cement Type I
- Lehigh White Portland Cement Type II/V
- Lehigh White High Early Strength Portland Cement, Type III
- Lehigh White Portland Cement—Water Repellent Added
- Lehigh White Masonry Cement, Type N
- Lehigh White Masonry Cement, Type S

MANUFACTURER

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PRODUCT DESCRIPTION

Portland cement is the most widely used construction material in the world. Lehigh Cement Company has been producing quality portland cements since 1897. Since its founding over a century ago, Lehigh has built a reputation for serving the construction industry with high performance products that encourage creativity and ensure longevity. Lehigh Cement is the foremost supplier of white cements in North America. The available types and recommended uses of the company's cement products are described under APPLICATIONS. Depending on the application, Lehigh products may be specified in Division 3—Concrete or Division 4—Masonry.

APPLICATIONS

Lehigh White Portland Cement Type I

General architectural applications include precast concrete, cast in place, terrazzo, tile grout, portland cement paint, masonry units, swimming pools and spas, glass fiber reinforced concrete, surface bonding mortars, ornamental statuary, floor tiles, concrete roof tiles, perimeter security, cast stone pavers, and for traffic safety construction such as concrete median barriers, bridge parapets, guard rails, sound barrier walls, earth retaining walls, reflecting curbs and other delineators. May be used as a base to produce vibrant colors prized in almost any architectural concrete application.

Lehigh White Portland Cement, Type II/V

Typically suitable for the same applications as Type I cement. Formulated to provide moderate heat of hydration and sulfate resistance, for applications where sulfates in ground waters and/or soils are higher than normal or in mass concrete work where lower heat of hydration is desired.

Lehigh White High Early Strength Portland Cement, Type III

Used in precast and prestressed architectural concrete, architectural concrete

Lehigh White Masonry Cement, Type N

Used in masonry mortar and stucco mixtures where a white or bright colored mortar joint or stucco is desired; for use in preparing ASTM C270 Type N mortar.

Lehigh White Masonry Cement, Type S

Used in white masonry mortar where the higher strength requirements of ASTM C270 Type S are needed.

QUALITY

Lehigh White Portland and Masonry Cements are produced using carefully selected raw materials and rigid manufacturing standards to assure uniform whiteness necessary when specifying traffic safety structures or expanding architectural boundaries through design, color and texture.

SUSTAINABILITY

Limestone and other minerals used to produce Portland cements rank fourth in the top five most abundant elements on earth. Portland cement concrete construction can significantly reduce energy consumption in some climates due to the thermal mass properties of the material. White Portland cement concrete has a high reflectivity value which helps reduce heat island effects.

STORAGE

Portland cement must be kept dry in order to retain its quality. Bulk cement should be stored in weather-tight bins or silos. As our masonry cements are moisture sensitive materials, bags should be kept in a dry area and stored on pallets whenever possible.

AVAILABILITY

Lehigh White Portland and Masonry Cements are available through a network of distributors and concrete producers throughout the United States.

CAUTION

Portland cement when dry is non-hazardous. When in contact with moisture (such as in eyes or skin) or when mixed with water to make concrete, mortar or grout, it becomes highly caustic and will burn (as severely as third-degree) the eyes or skin. Inhalation of dry Portland cement can irritate the upper respiratory system.

WARRANTY

The information and statements in Lehigh technical and product information are believed to be reliable, but are not to be construed as a warranty or representation for which the manufacturer assumes legal responsibility. No other warranty, representation, or condition of any kind, expressed or implied (including no warranty of merchantability or fitness for a particular purpose) shall apply. Having no control over the use of cement, Lehigh will not guarantee finished work, nor shall Lehigh be liable for consequential damages.

For more product information or technical assistance:
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