

Product Data Sheet

Division 3 — Concrete
Division 4 — Masonry



PRODUCT NAME

- Lehigh White Portland Cement Types I, II, III and V
- Lehigh White Portland Cement—Type I Water Repellent Added
- Lehigh White PLC—Portland Limestone Cement Type IL(10), GUL or GU
- Lehigh White Masonry Cement, Types N and S

MANUFACTURER

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PRODUCT DESCRIPTION

Lehigh White Cement Company is the leading supplier of white cements in North America. We have been producing quality portland cements since 1897. For more than 100 years Lehigh has built a reputation for serving the construction industry with high performance products that encourage creativity and ensure longevity. This Product Data Sheet gives a brief overview of the types, specifications and some common uses of our cement. Depending on application, Lehigh White Cement products may be specified in Division 3 - Concrete or Division 4 - Masonry. For more info on our products visit us online @ www.lehighwhitecement.com.

SPECIFICATIONS

Portland Cements

Portland Cements are manufactured to meet ASTM C150 / AASHTO M85 and CSA A3001 specifications

PLC - Portland Limestone Cement

Portland Limestone Cements are manufactured to meet either the ASTM C595 and CSA A3001 or ASTM C1157 specifications.

Masonry Cements

Masonry Cements are manufactured to meet ASTM C91 and CSA A3002 specifications

APPLICATIONS

Lehigh White Portland Type I - Lehigh White Cements are regularly used to produce architectural concrete. General applications include cast-in-place or precast wall panels, floors, slabs, terrazzo, thin-set and tile grouts, cast stone, masonry units and mortars, stucco, swimming pools & spas, glass fiber reinforced concrete, ornamental statuary, floor tiles, concrete roof tiles, perimeter security, pavers and traffic safety items such as concrete median barriers, bridge parapets, pedestrian crosswalks, curbs and other delineators. White cement is often used to produce bright finishes, vibrant colors or ultra high performance concretes that look great and provide structural performance that make them ideal for resilient building applications.

Portland Type II and Type V - In addition to general use, Type II and Type V cements have moderate heat of hydration. Combined in mixes with low water-to-cement ratios and low permeability, Type II and Type V cements are less susceptible to the negative effects of higher than normal sulfate concentrations.

APPLICATIONS - Continued

Portland Type III - Type III portland cement is intended for use where high early strength or a finer grind is required. Type III portland cement is frequently used in precast and cold weather applications.

Portland Limestone Cement CSA A3001 GUL / ASTM C595 Type IL(10) - We intergrind approximately 10% limestone by weight as an ingredient in this blended cement which has similar strength & setting characteristics to our Type I cement. It is used in applications where Type I cement would be typical. It offers advantages in workability and sustainability.

PLC - Portland Limestone Cements ASTM 1157 Type GU - This cement conforms to the Standard Performance Specification for Hydraulic Cement for general construction. It is used where longer set times and workability are preferred characteristics. This specialty cement is most often used in cement rich mixtures such as pool plasters.

Lehigh White Masonry Cements Types N and S - Lehigh White Masonry Cements are combined with sand to produce either Type N or Type S Masonry Mortars per the ASTM C270 specification. They can also be used to produce interior plasters & exterior stucco. These cements are specially formulated for enhanced workability and water retention.

QUALITY

Lehigh White Portland, PLC and Masonry Cements are produced using carefully selected raw materials and rigid manufacturing standards to assure uniform whiteness and high performance. Count on our quality to stretch architectural boundaries through design, color and texture.

SUSTAINABILITY

Minerals used to produce white cement rank among the most abundant elements on earth. Besides having very low embodied energy and CO₂ emissions, portland cement concrete is resilient, durable & long lasting. Specify white cement for dynamic architectural & structural applications.

STORAGE

Portland cement must be kept dry in order to retain its quality. Protect packaged cement from moisture; store bulk cement weather-tight silos.

AVAILABILITY

Not every cement type is available in all markets. Lehigh White Cements are distributed throughout the United States and Canada.

SAFETY

Prior to using or handling cement products first read and understand Safety Data Sheets available at www.lehighwhitecement.com.

WARRANTY

Information and statements given are believed reliable, but are not to be construed as a warranty or representation for which the manufacturer assumes legal responsibility. No 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 White Cement Company be liable for consequential damages.

For more product information or technical assistance:

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