



### PRODUCT DESCRIPTION

Portland cement is a hydraulic cement composed basically of calcium, silicates, aluminates and iron. Lehigh Portland Cement is produced using carefully selected raw materials. This results in a high quality, consistent cement that is easy to work with during construction and contributes to long lasting, aesthetically pleasing structures.

### TYPES & USES

Lehigh Portland Cement is a hydraulic cement conforming to Canadian Standards Association (CSA) Standard A3001- Cementitious Materials for Use in Concrete.

Type GU general use cement is suitable for all uses where the special properties of other types are not required.

Type MS moderate sulphate resistance cement contains no more than 8%

tri-calcium aluminate (C3A) for moderate sulphate resistance.

Type HE high-early strength cement is chemically and physically similar to Type GU cement but ground finer to produce higher early strengths.

### KEY FEATURES/BENEFITS

- Excellent performance and strength
- Consistent plastic and hardened properties
- Consistent color
- Compatible with water-reducing, super-plasticizing, air entraining admixtures and other chemical admixtures
- Can be used in combination with supplementary cementitious materials

**LEHIGH**  
HEIDELBERGCEMENT Group

## APPLICATIONS

Lehigh Portland Cement is featured in a wide range of concrete and geotechnical applications, including ready mixed concrete, pre-cast, tilt-up, bridges, pavements, subbase, pre-stressed concrete members, concrete masonry units, architectural and concrete products, soil stabilization and solidification.

Lehigh Portland Cement is a hydraulic cement that hardens by chemically reacting with water to produce calcium-silicate hydrates (CSH), the primary binding agent in concrete. Proper attention is required to ensure mix design is appropriate for the intended use of the concrete or mixture containing portland cement. To achieve optimum performance and durability properties controls should be in place for all raw materials selection, mixing, transportation, placement, consolidation, finishing and curing.

## DELIVERY/STORAGE

Portland cement is a moisture sensitive material that must be kept dry in order to retain its quality. Product is available in bulk and multi-walled bags.



## CAUTION

When dry, portland cements are non-hazardous. When in contact with water (such as in eyes or skin) or when mixed with water to make concrete, mortar or grout, it becomes highly alkaline and can irritate or burn the skin and injure the eyes when not properly handled. Direct contact should be avoided. If contact occurs, wash the affected area with water immediately. If fresh portland cement concrete or portland cement gets into the eyes, rinse them thoroughly with water and seek medical attention. Inhalation of dry portland cement can irritate the upper respiratory system. For additional safety information, reference our Safety Data Sheets online at [www.lehighhanson.com](http://www.lehighhanson.com).

## WARRANTY

The information and statements herein are believed to be reliable but are not to be construed as the warranty or representation for which we assume legal responsibility. Lehigh Portland and slag cements shall conform to the current standard specification for Portland cement, CSA A3001, and 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, seller will not guarantee finished work, nor shall seller be liable for consequential damages.