

## Product Types and Usage

### **Lehigh Type GU Normal Portland Cement**

Lehigh Type GU cement is a general purpose hydraulic cement that can be used for most construction projects. It is formulated to be used in concrete, mortars and grouts that do not have any specialty requirements. Typical uses include pavements, sidewalks, floors, building foundations, and commercial concrete construction. Lehigh Type GU cement conforms to the requirements of *CAN/CSA-A3000-03 "Cementitious Materials Compendium"*. It must not be used when concrete is exposed to elevated levels of sulphates in soil or water.

### **Lehigh Type HE High-Early Strength Portland Cement**

Lehigh Type HE cement produces higher early strengths relative to a normal Portland cement. It is formulated to be used in concrete, mortars and grouts that require rapid strength gain or that will be utilized in cold weather construction. The use of Type HE cement is beneficial in projects where concrete must be put into service quickly or requires early form removal. Lehigh Type HE cement conforms to the requirements of *CAN/CSA-A3000-03 "Cementitious Materials Compendium"*. It must not be used when concrete is exposed to elevated levels of sulphates in soil or water.

### **Lehigh Type HS Sulphate Resistant Portland Cement**

Lehigh Type HS cement should be used in cement mixtures that will be exposed to a sulphate environment. It is formulated to be used in concrete, mortars and grouts that will be in service where soils or ground water have a high sulphate content. Typical uses for Type HS cement include foundations and underground construction in alkali soils. Lehigh Type HS cement conforms to the requirements of *CAN/CSA-A3000-03 "Cementitious Materials Compendium"*. Type HS cement gains strength more slowly than Type GU cement and may be slightly darker in colour.

### **Lehigh Specialty Cement**

Lehigh Specialty cement is a specialty purpose cement designed for use in high strength mortars and stuccos. It is formulated to be used in Type S mortar and in Type MS or FMS stucco. It is an interground blend of Portland cement clinker, mortar enhancing admixtures and supplementary materials. Specialty cement is designed to maintain the excellent working properties of masonry cement with the added features of increased strength and bond. Lehigh Specialty cement conforms to the requirements of *CAN/CSA-A3000-03 "Cementitious Materials Compendium"*. It must not be used for making concrete.

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■ **Lehigh Northwest Cement Limited** ■

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