

## Product Types and Usage

### **Lehigh Type 10 Normal Portland Cement**

Lehigh Type 10 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 10 cement conforms to the requirements of *CAN/CSA-A3000-98 "Cementitious Materials Compendium" A5-98*. It must not be used when concrete is exposed to elevated levels of sulphates in soil or water.

### **Lehigh Type 30 High-Early Strength Portland Cement**

Lehigh Type 30 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 30 cement is beneficial in projects where concrete must be put into service quickly or requires early form removal. Lehigh Type 30 cement conforms to the requirements of *CAN/CSA-A3000-98 "Cementitious Materials Compendium" A5-98*. It must not be used when concrete is exposed to elevated levels of sulphates in soil or water.

### **Lehigh Type 50 Sulphate Resistant Portland Cement**

Lehigh Type 50 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 50 cement includes foundations and underground construction in alkali soils. Lehigh Type 50 cement conforms to the requirements of *CAN/CSA-A3000-98 "Cementitious Materials Compendium" A5-98*. Type 50 gains strength more slowly than type 10 cement and may be slightly darker in colour.

### **Lehigh Masonry Cement**

Lehigh Masonry cement is formulated for use in masonry and stucco projects. It is designed specifically for use in Type N masonry mortar. Masonry cement may also be used in Types; M, CM, FM, FCM stucco. Portland masonry cement includes mortar enhancing admixtures and supplementary materials. It is designed to impart excellent workability, plasticity, and water retention. Lehigh Masonry cement conforms to the requirements of *CAN/CSA-A3000-98 "Cementitious Materials Compendium" A8-98*. It must not be used for making concrete.

### **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 a Type MS or FMS stucco. It is a mixture of portland masonry cement, 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-A3000-98 "Cementitious Materials Compendium" A8-98*. It must not be used for making concrete.

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■ Lehigh Northwest Cement Limited ■