



LEHIGH

HEIDELBERGCEMENT Group

MASONRY CEMENT

Product Description

Lehigh Masonry Cement is a prepackaged masonry cement meeting or exceeding the requirements of CSA A3002, Masonry and Mortar Cement. Lehigh carefully selects and blends the raw materials and follows stringent quality control procedures in the manufacturing of Lehigh Masonry Cement. This attention to detail results in a superior performing masonry cement for use in mortar during construction to support long lasting, durable masonry walls and structures.

Types and Uses

Lehigh Masonry Cement is manufactured in two types: Type N and Type S. CSA A179 Annex A.1 states that Type N is suitable for general use in exposed masonry above grade. Type S is recommended when high lateral strength is desired and can also be used for below grade applications. CSA A179 Table A.1 provides recommendations for mortars.

Location	Building Segment	Recommended Mortar	Alternative Mortar
Exterior above grade	Loadbearing walls requiring high compressive strength	Type S	Type N
	Loadbearing walls requiring low compressive strength	Type N	Type S
	Nonloadbearing walls	Type N	Type S
Exterior at or below grade	Parapet walls	Type N	Type S
	Foundation walls, retaining walls, manholes, sewers, pavements, walks and patios	Type S	Type M
Interior	Loadbearing walls	Type N	Type N
	Nonloadbearing partitions	Type N	Type N

From CSA A179 Table A.1

Key Features / Benefits

- Excellent Workability
- Superior Board Life
- Consistent Color
- Long Term Durability



Applications

Lehigh Masonry Cement can be used for mortar in the construction of all types of masonry walls. The most common masonry units utilized are concrete block, clay, and concrete brick and natural and manufactured stone. Lehigh Masonry Cement can also be used for stucco and parging applications.

Assure that the mixing equipment is clean and in good working order. Provide a one cubic foot box or other suitable container for volumetric measuring of aggregate. Aggregate shall conform to the requirements of CSA A179. Water shall be potable. One bag of Lehigh Masonry Cement should be mixed with 2 ¼ to 3 cubic feet of sand according to Table 4 of CSA A179. Start the mixer, place ¾ of the required amount of water, ½ the required amount of sand and all the masonry cement into the mixer. Mix briefly. Add the remaining sand and water to the mixer and mix for a minimum of 3 and a maximum of 5 minutes after the last mix water has been added. This assures homogeneity and workability of the mortar. Although minor retempering is allowed, mortar should be used or discarded within 90 minutes.

Set masonry units in mortar beds as quickly as possible after the mortar bed is placed. Avoid furrowing bed joints. Provide enough mortar to guarantee full head and bed joints. Don't attempt to move or adjust masonry units once the mortar has begun to stiffen. This can interfere with the bond between the mortar and the masonry unit. If one or more masonry units needs to be adjusted, remove the units and reset them in fresh mortar.

Mortar joints should be tooled when the surface is 'thumb-print' hard. Proper tooling increases the contact area between the masonry unit and mortar and provides for a weather-resistant joint. Improper or inconsistent timing when tooling joints lead to variation in the colored of the mortar joint and could adversely affect weather resistance.

Applicable Standards

Lehigh Masonry Cement conforms to the requirements of CSA A3002, Masonry and Mortar Cement.

Delivery/Storage

Lehigh Masonry Cement Type N is packaged in 30 kg multi-walled bags, Type S is packaged in 33.3 kg multi-walled bags. Packages should be kept free from moisture.

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CAUTION: Portland Cement when dry is non-hazardous. When in contact with water (such as in eyes or skin) or when mixed with water to make fresh portland cement 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 and if it does occur, the affected area should be washed 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 please reference our Safety Data Sheets (SDS) available online at 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 masonry cements shall conform to the current Standard Specification for Masonry Cement, ASTM C91, and no other warranty, representation 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.