

i.pro Saylor's P.L.U.S.

Portland Cement and Hydrated Lime Blend

PRODUCT DESCRIPTION:

i.pro Saylor's P.L.U.S. is a prepackaged portland cement and hydrated lime blend. Essroc carefully selects and blends the raw materials and follows stringent quality control procedures in the manufacturing of i.pro Saylor's P.L.U.S. This attention to detail results in a superior performing cement for use in mortar during construction and for long lasting, water-resistant walls.

BENEFITS:

- Excellent workability
- Superior board life
- Consistent color
- Long-term durability
- Ideal for matching older buildings constructed with a portland and lime mortar

APPLICATIONS:

i.pro Saylor's P.L.U.S. portland cement and hydrated lime blend 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.

TYPES AND USES:

i.pro Saylor's P.L.U.S. is manufactured in Type N. 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
	Parapet walls	Type N	Type S
Exterior at or below grade	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



PACKAGING:

i.pro Saylor's P.L.U.S. Type N is packaged in 30 kg multi-walled bags and Type S is packaged in 33.3 kg multi-walled bags. Packages should be kept free from moisture.

AVAILABILITY & PRICING:

Contact your Essroc Sales Representative for availability and pricing in your area.

APPLICABLE STANDARDS:

i.pro Saylor's P.L.U.S. is a blend of Portland Cement conforming to CSA A3001, Cementitious Materials for Use in Concrete, and Hydrated Lime conforming to ASTM C207, Standard Specification for Hydrated Lime for Masonry Purposes. When properly mixed and proportioned, i.pro Saylor's P.L.U.S. produces Type N Mortar, as defined by CSA A179, Mortar and Grout for Unit Masonry.

MIXING:

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. i.pro Saylor's P.L.U.S. should be mixed with 2 ¼ to 3 cubic feet of sand according to Table 4 of CSA A179. Start the mixer, place ½ of the required amount of water, ½ the required amount of sand and all the i.pro Saylor's P.L.U.S. 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 after 90 minutes.

WORKMANSHIP:

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.

TOOLING JOINTS:

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.

PRECAUTIONS:

Minimize direct contact with wet cement. Exposure of sufficient duration to wet portland cement can cause serious, potentially irreversible tissue (skin or eye) destruction in the form of chemical (caustic) burns. Consult the relevant MSDS before working with i.pro Saylor's P.L.U.S..

WARRANTY:

Essroc warrants that its products are free from manufacturing defects and conform to applicable CSA standards. Essroc makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products. User assumes all risks and liability in connection with the suitability of the products for the intended use.

FOR MORE INFORMATION:

For more information on Essroc's products call 800-4-ESSROC or visit us online at www.essroc.com.

Essroc Italcementi Group

PO Box 620

Picton, Ontario K0K 2T0

800-4-ESSROC

www.essroc.com

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