

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 meeting or exceeding the requirements of ASTM C 150 and ASTM C 207. 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 masonry 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

APPLICATIONS:

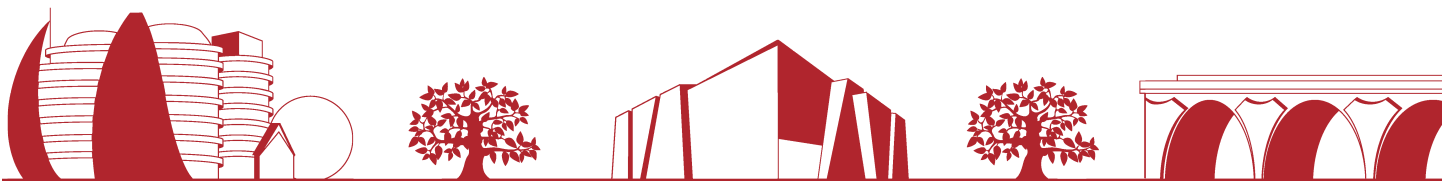
i.pro Saylor's P.L.U.S. can be used for mortar in the construction of all types of masonry walls. The most common masonry units utilized are concrete block, clay and concrete brick and natural and manufactured stone.

TYPES AND USES:

i.pro Saylor's P.L.U.S. is manufactured in two types: Type N and Type S. It is recommended to use Type N mortar for all masonry work unless there is a compelling reason to choose another mortar. ASTM C 270 provides recommendations for mortar choices in a concise tabular format as shown here.

Location	Building Segment	Recommended Mortar	Alternative Mortar
Exterior, above grade	Load-bearing walls	Type N	Type S or M
	Non-load bearing walls	Type O	Type N or 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 or N
Interior	Load-bearing walls	Type N	Type S or M
	Non-load bearing walls	Type O	Type N

From ASTM C 270



PACKAGING:

i.pro Saylor's P.L.U.S. Type N is packaged in 70 lbs. (32 kg) multi-walled bags and Type S is packaged in 75 lbs. (34 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. conforms to the requirements of ASTM C 150, Standard Specification for Portland Cement and ASTM C 207, Standard Specification for Hydrated Lime for Masonry Purposes. i.pro Saylor's P.L.U.S. is produced with one part portland cement manufactured to the requirements of ASTM C 150, Type I and one part hydrated lime manufactured to the requirements of ASTM C 207, Type S or Type SA. i.pro Saylor's P.L.U.S. produces Type N or Type S Mortar, as defined by ASTM C 270, when one part i.pro Saylor's P.L.U.S. is mixed with three parts masonry sand meeting the requirements of ASTM C 270.

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 ASTM C 144. 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 1 Proportion Specification of ASTM C 270. If an independent laboratory completes ASTM C 780 preconstruction testing that demonstrates compliance to table 2 of ASTM C 270, then up to 3 ½ parts of sand may be used per bag of i.pro Saylor's P.L.U.S.. Start the mixer, place ¾ 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 ASTM 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

3251 Bath Pike

Nazareth, PA 18064

800-4-ESSROC

www.essroc.com