



Saylor's P.L.U.S.®

Portland Cement and Hydrated Lime Blend

**Providers of Quality
Products and
Technical Support
for:**

Portland and Blended Cements,
Slag, and Fly Ash

BRIXMENT, Brick-Lok, and
VELVET Masonry Cements

Saylor's Portland and
Saylor's PLUS Cements

Flamingo-BRIXMENT Colored
Cements for Masonry

MANUFACTURER:

ESSROC Cement Corp.
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www.essroc.com

PRODUCT DESCRIPTION:

Saylor's PLUS (Portland Lime Uniform Strength) is a prepackaged cement and lime blend consisting of Type I portland cement and Type S hydrated lime.

Essroc carefully selects and blends the raw materials and follows stringent quality control procedures in the manufacturing of Saylor's PLUS.

This attention to detail results in a superior performing blended cement for use in mortar during construction and for long lasting, water-resistant walls.

BENEFITS:

- High Bond Strength
- Homogenous Mix
- Enhanced Workability

APPLICATIONS:

Saylor's PLUS products 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. Saylor's PLUS can also be used for stucco and parging applications.



MATERIAL COMPOSITION:

Saylor's PLUS is a combination of portland cement that meets ASTM C 150 and Type S hydrated mason's lime that meets the requirements of ASTM C 207.

TYPES AND USES:

Saylor's PLUS is available in a Type N (normal strength) and Type S (high strength) mixture.

The Type N mix should only be used for above-grade construction.

Type S, a stronger mix, can be used above or below grade and should be used for foundation and retaining walls.

PACKAGING:

Saylor's PLUS Type N is packaged in 70 lb.(32kg) multi-walled bags.. Saylor's Plus Type S is packaged in 75 lb.(34kg) multi-walled bags. Packages should be kept free from moisture.

AVAILABILITY:

Saylor's PLUS is distributed throughout Essroc's supply

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network. Contact your Essroc sales representative for availability in your immediate area.

Sample bags for preconstruction test panels can be obtained by contacting a local masonry supply dealer or your Essroc sales representative.

APPLICABLE ASTM SPECIFICATIONS:

- C 150 Portland Cement
- C 207 Hydrated Lime
- C 270 Masonry Mortar
- C 144 Aggregates for Masonry Mortar
- C 780 Preconstruction and Construction Evaluation for Masonry Mortar

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 C144. Water shall be potable.

Saylor's PLUS should be mixed with 2 ¼ to 3 cubic feet of sand according to Table 1 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 Saylor's PLUS.

Start the mixer, place ¾ of the required amount of water, ½ the required amount of sand and all the Saylor's PLUS 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 re-set them in fresh mortar.

TOOLING JOINTS:

Mortar joints shall be tooled when the surface is thumb-print hard. Improper or inconsistent timing when tooling joints will lead to variations in the color of the mortar.

Proper tooling or striking increases the compression of the mortar joint and provides for a superior weather-resistant joint.

CLEANING:

Proper workmanship during construction will reduce the need

for harsh cleaners. When cleaning is needed, use a proprietary cleaner.

Follow the manufacturer's instructions for application, removal and disposal. Avoid harsh cleaners including acids at all times.

INSTALLATION:

Maintain the same source of aggregate and water and use consistent mixing procedures throughout the entire project.

Follow ACI recommendations for hot and cold weather construction.

WARRANTY:

Essroc warrants that its products are free from manufacturing defects and conform to applicable ASTM specifications.

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 visit us online at www.essroc.com or call at (800)523-9238.