



VELVET® Masonry Cement

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:

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PRODUCT DESCRIPTION:

VELVET Masonry Cement is a prepackaged masonry cement meeting or exceeding the requirements of ASTM C 91.

Essroc carefully selects and blends the raw materials and follows stringent quality control procedures in the manufacturing of VELVET Masonry Cement.

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 colored
- Long- term durability

APPLICATIONS:

VELVET 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. VELVET Masonry Cement can also be used for stucco and parging applications.



MATERIAL COMPOSITION:

VELVET Masonry Cement is a combination of portland cement that meets ASTM C 150, finely ground limestone and proprietary admixtures that enhance boardlife and durability.

TYPES AND USES:

There are three formulations of VELVET to satisfy all masonry construction needs:

Type N: Light Velvet
Type S: Super Velvet
Type M: Mighty Velvet

The Type N mix should only be used for above-grade construction and is recommended for exterior brick veneers.

Type S, a stronger mix, can be used above or below grade.

Type M, the strongest mix, is designed for below grade or where

VELVET® Masonry Cement

additional compressive strengths are required.

PACKAGING:

VELVET Type N is packaged in 70 lb.(32kg) multi-walled bags, Type S is packaged in 75 lb.(34kg) multi-walled bags and Type M is packaged in 80 lb.(36kg) multi-walled bags. Packages should be kept free from moisture.

AVAILABILITY:

VELVET is distributed throughout Essroc's supply 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 91 Masonry Cements
- 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.

VELVET 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 VELVET.

Start the mixer, place ¾ of the required amount of water, ½ the required amount of sand and all the VELVET 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. Proper tooling or striking increases the contact area between the masonry unit and the mortar and provides for a weather-resistant

joint.

Improper or inconsistent timing when tooling joints will lead to variation in the colored of the mortar joint and could adversely affect weather resistance.

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 whenever possible.

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)437-7762.



A world class local business