



RainBloc® for Mortar

RainBloc for Mortar Mixing and Dosage Instructions

RainBloc for Mortar is a polymeric job site added mortar admixture that reduces or eliminates rainwater penetration through mortar with no adverse effects on other properties such as bond strength and board life. It is non-corrosive and does not contain chlorides.

When used with certified water repellent concrete block made with RainBloc Admixture, excellent water penetration resistance for the entire masonry system can be obtained. RainBloc for Mortar also provides excellent water repellency for mortar used in brick masonry construction.

RainBloc for Mortar can be used in Portland cement/lime or masonry cement mortars and is compatible with most other job-site added additives.

Directions for Use

Add RainBloc for Mortar and allow the mortar to mix for at least 30 seconds before adding the final water.

Note: RainBloc for Mortar may reduce the amount of final water normally used. It is recommended to add half the amount of final water normally used and slowly add the remaining final water until desired consistency is achieved.

Mix for an additional five (5) minutes after completing the final water addition to ensure the water is well mixed.

Estimating for Orders

Most masons estimate they get 100 to 120 CMU (8 x 8 x 16) from 9 cubic feet of mortar; 105 CMU is a commonly used number in some areas.

Each bag of Masonry or Mortar cement makes 3 cubic feet of mortar, so you need 3 bags of Masonry or Mortar Cement to get 9 cubic feet of mortar. Since we use 0.5 quart of RainBloc for Mortar per bag of Masonry or Mortar cement, you need 1.5 quarts of RainBloc for Mortar for 9 cubic feet of mortar or, equivalently, for 100 to 120 CMU.

For **Type N Portland-Lime mortar**, there is 1 bag of Portland cement plus 1 bag of lime to every 6 cubic feet of mortar, so there are 1.5 bags of Portland cement per 9 cubic feet of mortar. Since we use 1 quart of RainBloc for Mortar per bag of Portland cement, this would mean that you need 1.5 quarts of RainBloc for Mortar for 9 cubic feet of mortar or, equivalently, for 100 to 120 CMU.

For **Type S Portland-Lime mortar**, there is 1 bag of Portland cement plus ½ bag of lime to every 4.5 cubic feet of mortar, so there are 2 bags of Portland cement per 9 cubic feet of mortar. Since we use 1 quart of RainBloc for Mortar per bag of Portland cement, this would mean that you need 2 quarts of RainBloc for Mortar for 9 cubic feet of mortar or, equivalently, for 100 to 120 CMU.



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For **Type M Portland-Lime mortar**, there is 1 bag of Portland cement plus ¼ bag of lime to every 3.75 cubic feet of mortar, so there are 2.4 bags of Portland cement per 9 cubic feet of mortar. Since we use 1 quart of RainBloc for Mortar per bag of Portland cement, this would mean that you need 2.4 quarts of RainBloc for Mortar for 9 cubic feet of mortar or, equivalently, for 100 to 120 CMU.

For a single job, the mason may want to use the figure on the high side so that they do not run out of mortar admixture. If a mason already has a number of CMU per 9 cubic feet of mortar figure that they use in their estimates, they can plug in the precise usage rate to calculate their overall RainBloc for Mortar need.

The logic and calculations reduced to the table below:

DOSAGE INSTRUCTIONS	
Mortar made with Job Site Added Sand	
Portland/Lime	1.0 Quart / bag of Portland Cement (lime not included)
Masonry or Mortar Cement	0.5 Quart / bag of Masonry or Mortar Cement
Pre-Blended Mortar (with Dry Sand Included in Mix)	
Pre-Blended Bag Mortar (80 to 100 lb / bag) or Pre-Blended Bulk Mortar (3000-lb Bulk Bag)	0.5 Quart / 300 to 320 lbs of Pre-Blended Mortar or 5.0 Quart / 3000 lbs of Pre-Blended Mortar

Contact

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