

RainBloc® 80

Integral Water Repellent & Efflorescence Control Admixture

Features and Benefits

- Anti-wicking features provide unsurpassed water repellency
- Superior efflorescence control and improved color retention
- Highly effective integral water repellent in single-wythe wall systems
- Annual certification of RainBloc CMU producers through the RainBloc Certification Program ensures performance standards are met
- Independent ASTM E514 testing confirms that RainBloc system walls achieved Class E or excellent rating for wind driven rain resistance - the highest rating possible.

Guidelines for Use

Dosage Rate: RainBloc 80 admixture dosage rate will vary depending on the desired benefits.

For water repellency: dosage range is 3 - 6 fl.oz/cwt (200 - 400 mL/100 kg) of cementitious materials, with typical dosage at 4 fl.oz/cwt (260 mL/100 kg) of cementitious materials .

For efflorescence control: dosage range is 1.5 to 3 fl.oz/cwt (100 - 200 mL/100 kg). Due to variations in local materials, jobsite conditions or applications, dosages outside the recommended range may be required.

Please consult your Technical Services Representative for more information.

Recommended Addition and Mixing Time:

Ribbon Mixer

1. Load aggregate, and add 75 - 85% of total water.
 - Mix for a minimum of 40 seconds
 - Proper mixing allows aggregates (especially dry, high-absorption ones) to saturate before adding cement.
2. Add granular pigment and mix for a minimum of 40 seconds
 - Pigments are most effective when ground up by the aggregates and fully dispersed in the mix.



Description

RainBloc 80 is a low dosage, high performance integral water repellent admixture that provides the highest performance in resisting rainwater penetration through above grade masonry.

RainBloc System CMU walls achieved Class E or Excellent rating in independent ASTM E514 testing.

RainBloc 80 provides superior efflorescence control in CMU, Pavers and SRW.

Recommended For

Dry Cast Pavers & Slabs
Concrete Masonry Units
Segmental Retaining Wall Units
Manufactured Stone Veneer Units

Technical Information

Color: Opaque, Off-White

Health & Safety

Consult SDS for Safety Information



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3. Load cementitious materials
 - To avoid clumping, we recommend cement be added over several seconds, and not dumped in one large pile (mix for minimum 30 seconds).
4. Add final water and admixture
 - Admixture can be added during or after final water.
 - Note: allow the cement to mix for minimum of 40 seconds before adding admixture.
5. Final mix
 - Allow ample final mix time: minimum of 2 minutes, optimal 3 minutes, after all ingredients added including final water.
6. Do not over mix. Mix no more than 5 minutes after final water is added to prevent mix from overheating.

- To avoid clumping, we recommend cement be added over several seconds, and not dumped in one large pile (mix for minimum 30 seconds).

4. Add final water and admixture
 - Admixture can be added during or after final water.
 - Note: allow the cement to mix for minimum of 30 seconds before adding admixture.
5. Final mix
 - Allow ample final mix time: minimum of 45 seconds, one (1) minute optimal, after all ingredients added including final water
6. Do not over mix. Mix no more than 3 minutes after final water is added to prevent mix from overheating

Pan Mixer

1. Load aggregate, and add 75-85% of total water
 - Mix for a minimum of 30 seconds
 - Proper mixing allows aggregates (especially dry, high-absorption ones) to saturate before adding cement.
2. Add granular pigment and mix for a minimum of 40 seconds
 - Pigments are most effective when ground up by the aggregates and fully dispersed in the mix.
3. Load cementitious materials

Product Storage and Shelf Life

Freeze Protection: RainBloc 80 must be protected from freezing. Do not store at temperatures below 32° F (0° C). The admixture is not usable after it has frozen.

Protect from Direct Sunlight: RainBloc 80 must be protected from direct sunlight. DO NOT store where container is exposed to direct sunlight.

Shelf life: One year in original unopened container.

Contact

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