

ProCast™ 410

Plasticizing Admixture

Features and Benefits

- Improved product feed, compaction and finish properties
- Uniform texture with moderate to heavy swipe
- Reduced cycle times, faster production rates
- Sharper edges and corners
- Reduced surface defects and culls

Guidelines for Use

Dosage Rate: ProCast 410 admixture dosage rate will vary depending on the desired benefits. Dosage range is 2 - 6 fl oz/cwt (130 - 390 mL/100 kg) of ementitious materials, with typical dosage at 3 - 4 fl oz/cwt (195 - 260 mL/100 kg) cementitious materials . Due to variations in local materials, jobsite conditions or applications, dosages outside the recommended range may be required. Please consult with your Technical Services Representative for more information.

Recommended Addition and MixingTime:

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.
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 40 seconds).



Description

ProCast 410 is a plasticizing admixture formulated to improve the workability and physical properties of low slump Concrete Masonry Units (CMU) and other manufactured concrete products while providing moderate to heavy swipe.

Recommended For

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

Technical Information

Color: Transparent Straw

Health & Safety

Consult SDS for Safety Information



ProCast™ 410

Plasticizing Admixture

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.
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

Product Storage and Shelf Life

Freeze Protection: ProCast 410 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: ProCast 410 must be protected from direct sunlight. DO NOT store where container is exposed to direct sunlight.

Shelf life: One year in original unopened container.

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
 - 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.

Contact

ACM Chemistries, Inc.

P.O. Box 920430 Norcross, GA 30010 770-417-3490 acmchem.com

