

# ProCast™ 190

## Plasticizing Admixture

### Features and Benefits

- Improved density, strength and physical properties
- Improve product feed, compaction and finish properties
- Uniform texture with limited swipe
- Reduce cycle times, faster production rates
- Sharper edges and corners
- Reduce surface defects and culls

### Guidelines for Use

**Dosage Rate:** ProCast 190 admixture dosage rate will vary depending on the desired benefits. Dosage range is 2 - 8 fl.oz/cwt (130 - 520 mL/100kg) of cementitious materials, with typical dosage at 3 - 5 fl.oz/cwt (195 - 325 mL/100 kg) of 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 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.
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 190 is a low-dose admixture formulated to improve the workability and physical properties of low slump Concrete Masonry Units (CMU) and other manufactured concrete products.

### Recommended For:

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

### Technical Information

Color: Clear yellowish to amber / brown

### Health & Safety

Consult SDS for Safety Information



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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 190 must be protected from freezing. Do not store at temperatures below 40° F (5° C).

The admixture is not usable after it has frozen.

**Protect from Direct Sunlight:** ProCast 190 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

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