

ProCast™ 710

Retarding Admixture

Features and Benefits

- Highly effective cement hydration retarder.
- Slows down the initial rate of cement hydration allowing more time to place the concrete before it becomes too stiff to handle and consolidate properly.
- Consistent and predictable workability extension for dry and wet cast concrete mixes.
- Recommended for hot weather concrete, white cement and small batch production.
- Effective over a wide range of mix designs and materials.

Guidelines for Use

Dosage rate: ProCast 710 recommended dosage rate will vary depending on temperature conditions and the level of retardation required.

- ProCast 710 is designed to be used between 2 and 6 oz/cwt of cement (fluid ounces per one hundred pounds of cement) or 130 to 400 ml/100 kg of cement.
- Dosage rates will need to be adjusted based on the ambient temperature in the plant and the temperature of raw materials.
- As temperatures rise the needed dosage rate will also increase.
- Use only as much as necessary to get required additional working time.
- Start with 2 oz/cwt (130 ml/100 kg) of cement
 - If working time is not adequate, increase dosage in 0.5 oz/cwt (30 ml/100 kg) increments until optimum is reached.
 - If working time is more than needed, decrease dosage in 0.5 oz/cwt (30 ml/100 kg) increments until optimum is reached.



Description

ProCast 710 is a cement hydration retarder that works to extend workability and allow more time to place concrete in hot weather and small batch production

Recommended For

Dry Cast Concrete Products
Wet Cast Concrete Products

Technical Information

Color: Transparent Straw

Health & Safety

Consult SDS for Health & Safety Information



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- ProCast 710 will extend set times, especially at temperatures below 80 °F (27 °C).
 - Be careful not to add too much, especially at temperatures below 80 °F (27 °C), as over-dosed concrete products may not reach sufficient strength after curing to be handled and packaged as normal.
- Higher dosages may be needed when temperatures are above 95 °F (35 °C).
- Dosage outside the recommended range may be required.
- Retardation performance may also be affected by the use of supplementary cementitious materials such as Fly Ash.

Product Storage and Shelf Life

Freeze Protection: ProCast 710 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 710 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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