

Description

Pozzolith 122 HE ready-to-use, liquid admixture is designed to make more uniform and predictable quality concrete while accelerating setting time and strength development.

Pozzolith 122 HE admixture meets ASTM C 494/C 494M requirements for Type C, accelerating, and Type E, water-reducing and accelerating, admixtures.

Applications

Recommended for use in:

- Fast-track concrete construction
- Non-reinforced concrete
- Lightweight concrete
- 4x4™ Concrete
- Pervious Concrete
- Rheodynamic® Self-Consolidating Concrete (SCC)

POZZOLITH® 122 HE

Accelerating Admixture

Features

- Increased early and ultimate strengths – compressive and flexural
- Reduced water content required for a given workability
- Accelerated setting time characteristics

Benefits

- Improved workability
- Superior finishing characteristics for flatwork and cast surfaces
- Earlier finishing of slabs – reduced labor costs
- Reduced protection time in cold weather
- Earlier stripping and reuse of forms
- Earlier structural use of concrete, as in lift-slab, tilt-up, paving and floors
- Easy to disperse in concrete mixtures, avoiding many of the problems associated with flake calcium

Performance Characteristics

Strength: Concrete containing Pozzolith 122 HE admixture develops higher early and higher ultimate strengths than plain concrete. It meets the strength requirements of ASTM C 494/C 494M, AASHTO M 194 and CRD-C 87 specifications for admixtures.

Pozzolith 122 HE admixture also increases concrete strength when used with Type III cement and with mixes designed to use calcium chloride or other Pozzolith admixture formulations.

Guidelines for Use

Dosage: This admixture is used within the range of 16-64 fl oz/cwt (1-4 L/100 kg) of cement for most concrete mixtures using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amounts may be required. In such cases, contact your local BASF Construction Chemicals representative.

As the dosage of Pozzolith 122 HE admixture increases up to 64 fl oz/cwt (4 L/100 kg) of cement, acceleration of setting time usually continues to increase. The larger dosage also increases early and ultimate strengths.

Product Data: POZZOLITH® 122 HE

Product Notes

Corrosivity: This product contains intentionally-added calcium chloride. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210% chloride ions by weight of the cement when used at the rate of 1 fl oz/cwt (65 mL/100 kg) of cement.

Compatibility: Pozzoloth 122 HE admixture may be used in combination with any BASF Construction Chemicals admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

Storage and Handling

Storage Temperature: If this admixture freezes, thaw at 35 °F (2 °C) or above and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: Pozzoloth 122 HE admixture has a minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your BASF Construction Chemicals representative regarding suitability for use and dosage recommendations if the shelf life of Pozzoloth 122 HE admixture has been exceeded.

Packaging

Pozzoloth 122 HE admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Material Safety Data Sheets: Pozzoloth 122 HE admixture.

Additional Information

For additional information on Pozzoloth 122 HE admixture or its use in developing a concrete mixture with special performance characteristics, contact your BASF Construction Chemicals representative.

The Admixture Systems business of BASF Construction Chemicals is a leading provider of innovative additives for specialty concrete used in the ready mix, precast, manufactured concrete products, underground construction and paving markets throughout the NAFTA region. The Company's respected Master Builders brand products are used to improve the placing, pumping, finishing, appearance and performance characteristics of concrete.

BASF Construction Chemicals, LLC
Admixture Systems

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**Master
Builders**



The Chemical Company

April 22, 2007

Kearney Concrete Company
2001 Avenue C
Kearney, Nebraska, 68847

Attention: Kyle Poff

Project:

Project location:

Certificate of Conformance

Pozzolith® 122HE

BASF Construction Chemicals, LLC* Admixture for Concrete

(*Previously doing business as BASF Admixtures, Inc. and prior to that as Degussa Admixtures, Inc. and Master Builders, Inc.)

I, Richard Hubbard, Technical Specialist for BASF Construction Chemicals, LLC, Cleveland, Ohio, certify:

That Pozzolith® 122HE, based on the chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210 percent (210 ppm) chloride ions by weight of the cement when used at the rate of 65 ml per 100 kg (1 fluid ounce per 100 pounds) of cement; and

That Pozzolith® 122HE meets the requirements for a Type C, Accelerating, and Type E, Water-Reducing and Accelerating Admixture specified in ASTM C 494, Corps of Engineers' CRD-C 87, and AASHTO M194, the Standard Specifications for Chemical Admixtures for Concrete.

Richard Hubbard
Technical Specialist
BASF Construction Chemicals, LLC

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