

Description

POZZOLITH 322R is a ready-to-use liquid admixture used for making a more uniform and predictable high-performance concrete. It reduces the necessary water mix content to obtain a specific consistency, retarding the setting time and facilitating placement and finishing. POZZOLITH 322R surpasses the ASTM C 494 requirements for Type B and D, AASHTO M 194 and CRD C-87.

Applications

Wherever concrete with slight to moderate set retarding characteristics is required. POZZOLITH 322R improves conventional pumped, sprayed and placed concrete; improves plain, reinforced, precast, prestressed, of light weight and normal weight concrete.

POZZOLITH 322R can be used in white and colored architectural concrete. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix. Usage of BASF air-entraining admixtures are recommended with POZZOLITH® 322R.

POZZOLITH® 322R

Liquid plasticizing and set retarding admixture

Features

- Depending on the dosage, it provides an extended retardation.
- Provides superior finishing characteristics in flat and cast surfaces.

Benefits

Besides controlling the setting time, POZZOLITH 322R has the following benefits:

- Increases compressive and flexural strengths, as well as bonding to reinforcing steel.
- Reduces costs in mixes designed with specific strength, flowability and air content.
- Reduces cracking.
- Reduces permeability and increases density.
- Improves and facilitates concrete placement.
- Improves concrete strength with air entrained, improves resistance to freezing and thawing exposure and to the adverse effects of deicing salts.

Guidelines for Use

Dosage

POZZOLITH 322R is recommended for use at a dosage of 0.25% to 0.5% of cementitious materials for most concrete mixtures using typical concrete ingredients.

Setting Time

The temperature of the concrete mixture and the ambient temperature (forms, earth, reinforcement, air, etc.) affect the hardening rate of concrete. At higher temperatures, concrete hardens more rapidly which may cause problems with placing and finishing. Pozzoloth 322 R admixture's function is to retard the set of concrete.

Generally, within the normal dosage range, it will generally extend the working and setting times of concrete containing normal portland cement. Such retardation is approximately 3/4 to 2:30 hours compared to that of a plain concrete mixture, depending on job materials and temperatures. Trial mixtures should be made with job materials approximating job conditions to determine the dosage required.

Compressive Strength

POZZOLITH 322 R develops higher early (24-hour) and ultimate strengths than plain concrete when used within the recommended dosage range, under normal, comparable curing conditions.

Guidelines for Use

POZZOLITH 322R should be added simultaneously with the water of the mix. Never add directly to the cementitious materials or to the dry aggregates.

Packaging

POZZOLITH 322R admixture is supplied in 208 L (55 gal) drums, 1040L totes, and by bulk delivery.

Product: POZZOLITH® 322 R

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