



The Chemical Company

POZZOLITH[®] 108R

Set retarding and water reducing admixture

DESCRIPTION

POZZOLITH 108R is a ready-to-use, liquid admixture for producing more uniform and predictable quality concrete. It retards the setting times of the concrete and improves the placing and finishing concreting operation.

POZZOLITH 108R will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain any added chloride.

POZZOLITH 108R is an efficient low addition rate admixture. When combined with MICRO AIR 303A at the recommended dose rate will give 3 to 6% of air entrainment.

It is formulated to comply with ASTM C494 for Type B and D admixtures.

FIELDS OF APPLICATION

Recommended for use in all types of concrete where retardation of set and improved performance are desired.

e.g. plain, reinforced, precast or prestressed, concrete especially where placing by pump and when enhanced finishing is desired. When air-entrained concrete is desired to further reduce segregation, bleeding and permeability, **POZZOLITH 108R** can be used with air entraining admixtures manufactured by BASF Construction Chemicals.

When used in conjunction with other admixture must be dispensed separately into the mix.

FEATURES AND BENEFITS

POZZOLITH 108R used at optimum dose rate modifies the performance of concrete to provide the following:

- greatly reduced water content for a given workability
- superior slump retention
- controlled retardation – depending on the dose rate
- improved workability
- reduced segregation
- superior finishing characteristics for slabs and precast of off-form surfaces
- helps eliminate cold joints
- higher early and ultimate strengths—both compressive and flexural

Compressive Strength

Concrete produced with **POZZOLITH 108R** will develop strength rapidly after initial set occurs. If retardation is within the normal ASTM C494 Type B and D specifications, the concrete will develop higher early (24 hour) and higher ultimate strengths than plain concrete.

When used in steam cured concrete, the length of the preset period should be increased until initial set of the concrete is achieved. The actual steam curing period is then reduced accordingly to maintain existing production cycles without sacrificing early or ultimate strengths.

APPLICATION

Dispensing

POZZOLITH 108R can be added into the mixing water, or can be added to the wet concrete after the mixing water has been added. The addition of **POZZOLITH 108R** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

POZZOLITH 108R can be added to the concrete with mixing water.

DOSAGE

Use at the rate of 300 ± 100 ml per 100kg of cement for most concrete mixes.

PACKAGING

POZZOLITH 108R is available in 205 litre drums and bulk.

SHELF LIFE

POZZOLITH 108R must be stored in a place where the temperature is not below 0°C. In case the product freezes, increase the temperature of the product to 30°C and remix.

PRECAUTIONS

Health: **POZZOLITH 108R** does not contain any hazardous substances need to be labeled.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For detailed health, safety and environmental recommendations please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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