



The Chemical Company

POZZOLITH[®] 109R

Set retarding and water reducing admixture

DESCRIPTION

POZZOLITH 109R is a ready to use, liquid admixture for producing more uniform and predictable quality concrete. Placing and finishing requirements are facilitated because this admixture retards setting time. It is designed to meet ASTM C494 requirements for Type B Retarding and Type D Water Reducing and Retarding Admixtures.

FIELDS OF APPLICATION

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

When air-entrained concrete is desired to further reduce segregation, bleeding and permeability, **POZZOLITH 109R** can be used with air entraining admixture manufactured by BASF Construction Chemicals.

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

FEATURES AND BENEFITS

- Reduced water content for a given workability
- Superior slump retention
- Improved workability
- Superior finishing characteristics for slabs and precast of off-form surfaces
- Reduced segregation
- Better concrete strength
- Controlled retardation – depending on the dose rate

TYPICAL PERFORMANCE DATA

In comparison to plain concrete, a mix containing **POZZOLITH 109R** develops higher early and ultimate strengths while having normal or retarded setting characteristics.

APPLICATION

Dispensing

POZZOLITH 109R can be added into the mixing water, or can be added to the wet concrete after mixing water has been added. The addition of **POZZOLITH 109R** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

DOSAGE

POZZOLITH 109R is recommended for use at a dosage rate of 300 – 500 ml per 100kg of cementitious materials. Variations in the job conditions and concrete making materials employed may require dosage rates outside the recommended range.

Consult your BASF Construction Chemicals field representative for assistance in determining the dosage rate.

PACKAGING

POZZOLITH 109R is available in bulk and 205L drums.

SHELF LIFE

POZZOLITH 109R can be stored for 12 months if stored at temperatures above 5°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

PRECAUTIONS

Health : **POZZOLITH 109R** does not contain any hazardous substances requiring labelling.

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

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF Construction Chemicals** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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