



The Chemical Company

# POZZOLITH<sup>®</sup> 138R

Water reducing and set retarding

## DESCRIPTION

**POZZOLITH 138R** is a ready-to-use, chloride free admixture recommended for hot weather concreting. It reduces the amount of mixing water to produce concrete a given consistency. It also retards the setting times and thus facilitate easier placement and finishing. **POZZOLITH 138R** meets the requirements of BS5075, ASTM C494 and SS320.

## FIELDS OF APPLICATION

- all types of concrete where retardation of set and improved performance are required.
- improving pumped concrete and conventionally placed concrete.
- improving plain, reinforced, precast, prestressed, light weight or standard weight concrete.

## FEATURES AND BENEFITS

<b>High workability at high temperature</b>	Short placement time. Saves time and labour.
<b>High water reduction</b>	High impermeability and strength. Improves durability.
<b>Extended workability</b>	Retardation of setting times without loss in strength.
<b>Easy and rapid pumping operations</b>	Higher ultimate strength and with better surface finish.

## TYPICAL PERFORMANCE DATA

Depending on the dosage of **POZZOLITH 138R** and the consequent reduction of water content, its compressive strength improves considerably compared to control mixes (see Graph I).

The retardation relative to control mix at a fixed consistency using ordinary Portland cement is shown in Graph II.

## APPLICATION

### Dispensing

**POZZOLITH 138R** 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 138R** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

## DOSAGE

The dosage of **POZZOLITH 138R** can vary between 200 ml and 500 ml per 100 kg of cement. Other dosages may also be used depending on the specific working conditions.

Consult a local BASF Construction Chemicals field representative for assistance in determining the dosage.

## PACKAGING

**POZZOLITH 138R** is available in 205L drums or by bulk delivery.

## SHELF LIFE

**POZZOLITH 138R** 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 138R** 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 in the product Material Safety Data Sheet.

1-1-3-0208

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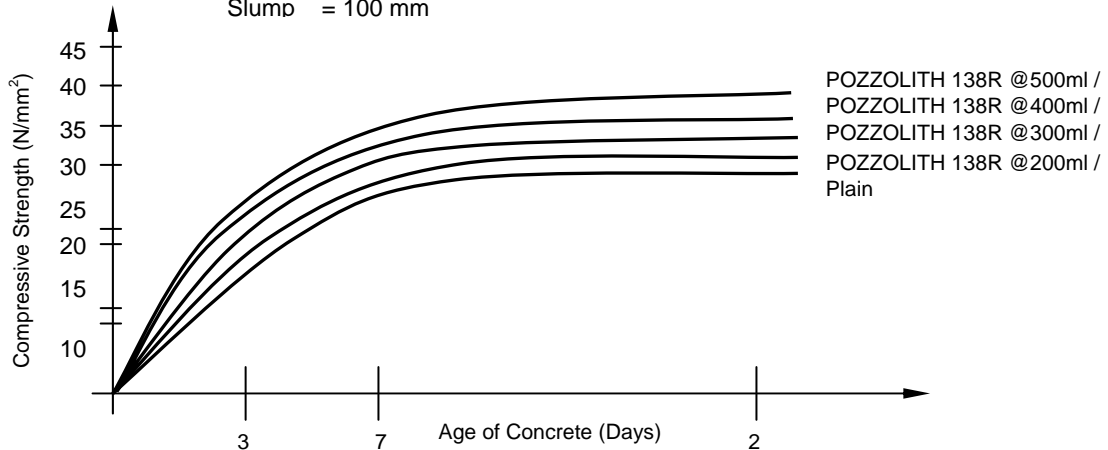
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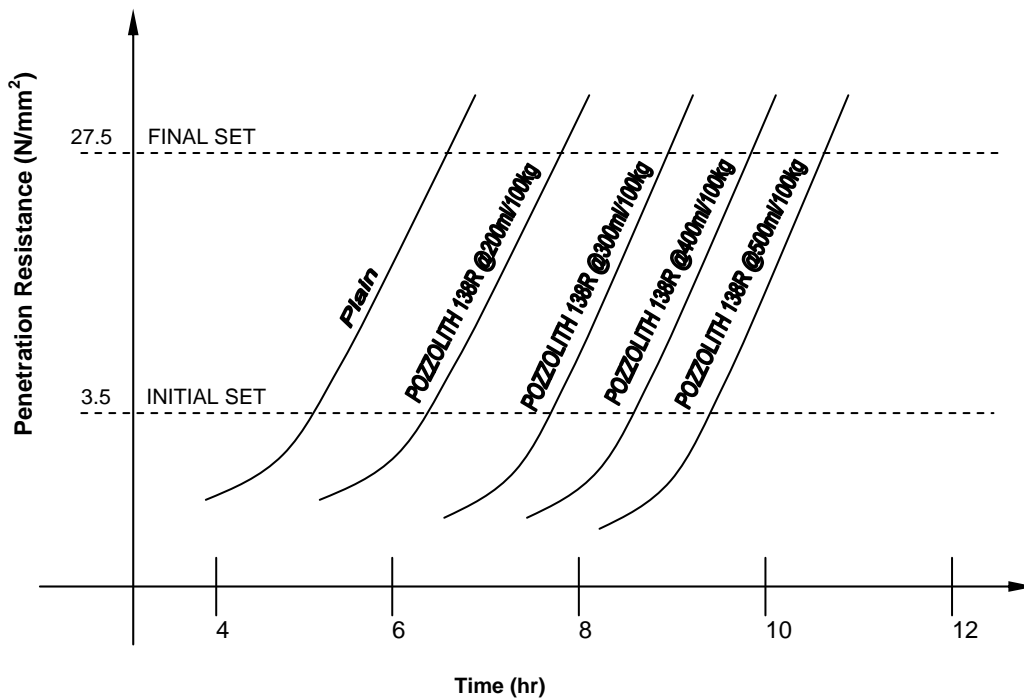
# POZZOLITH® 138R

## STRENGTH PERFORMANCE OF POZZOLITH 138R

Cement = 320 kg/m<sup>3</sup> (OPC)  
Slump = 100 mm



## SETTING TIMES OF POZZOLITH 138R (ASTM C403-81)



### 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.