



The Chemical Company

# POZZOLITH<sup>®</sup> 79N (Formerly known as Pozzolith 78H)

Water Reducing Plasticiser for concrete

## DESCRIPTION

**POZZOLITH 79N** is a versatile product which can be utilised to maintain workability and effect water reduction throughout a range of concrete mix designs and ambient temperature conditions.

**POZZOLITH 79N** is a multi-role admixture capable of functioning as a water reducer to enable strength gains while maintaining workability or set retardation.

**POZZOLITH 79N** can be used with all types of Portland cement including Sulphate resisting and modified cement.

## FIELDS OF APPLICATION

**POZZOLITH 79N** is used wherever effective workability retention and maximum strengths are required such as:

- Hot weather concreting where controlled delays to initial set are beneficial.
- Ready mix concrete where workability retention coupled with retardation of initial set are beneficial,
- In areas of congested reinforcement where high workability is of benefit,
- Above or below ground waterproofing where maximum impermeability and water tightness are essential.

## FEATURES AND BENEFITS

- Reduce placing problems in hot weather concreting by improving workability retention.
- Increase permeability and durability
- Higher early and ultimate strength
- Effective over wide range of cement contents
- Improves surface finish, pumpability and trowelling
- Enables significant economies in mix designs to be achieved, thereby saving content.

## TYPICAL PERFORMANCE DATA

Setting times are dependent on concrete temperature, ambient conditions and mix design.

The lowering of water / cement ratio reduces the porosity resulting in a more dense impermeable concrete. Thus, the ingress of aggressive agents can be reduced considerably thereby extending durability.

The reduction of water / cement ratio made possible by the addition of **POZZOLITH 79N** improves the compressive strength considerably.

## APPLICATION

Dispensing

**POZZOLITH 79N** should not be mixed with other admixtures. If other admixtures are to be used in concrete containing **POZZOLITH 79N**, they must be dispensed separately.

**POZZOLITH 79N** should be added to the mix with the gauging water. Alternatively **POZZOLITH 79N** can be dispensed after the water has been added to the blended cement and aggregates.

## DOSAGE

**POZZOLITH 79N** is recommended for use at a dosage rate of 300 to 900 ml per 100 kg of cement. Higher dosages may be required when certain combinations of materials and conditions are present.

In all cases, trial mixes to be carried out to determine the correct dosage of admixture required to achieve the desired fresh and hardened concrete properties.

## PACKAGING

Available in 205 L drums and bulk delivery.

## SHELF LIFE

**POZZOLITH 79N** can be stored for 12 months if stored above 5°C, in tightly sealed original drums. If found to be frozen, thaw it a 20°C and agitate until completely reconstituted.

## PRECAUTIONS

**Health:** **POZZOLITH 79N** 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.

2-1-1-0308

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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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