



The Chemical Company

POZZOLITH® 390 FG

Water reducing multi dosage / plasticiser to produce flowable concretes. Chloride free.

Description

POZZOLITH 390 FG is a water reducing, plasticising admixture, for the production of low slump loss, high workability concrete.

POZZOLITH 390 FG represents the latest evolution in plasticiser technology as, formulated for use over a wide dosage range, POZZOLITH 390 FG can match the performance characteristics of many superplasticisers at lower dosage and cost.

At the lower end of the dosage range POZZOLITH 390 FG will substantially increase workability of a given water cement ratio. Alternatively, the water cement ratio can be reduced whilst maintaining a given slump. The water reduction capability and extension of workability will increase with dosage. At higher dosage rates, POZZOLITH 390 FG will enable water reductions and the production of flowing concrete only previously available from superplasticisers.

Primary uses

POZZOLITH 390 FG is formulated for use by commercial ready-mix operators, who can benefit from its multiple role characteristics by minimising admixture stock.

Typical applications

- In areas of congested reinforcement where high workability will ease placement and compaction.
- Hot weather concreting where extension of workability is beneficial.
- To effect reductions in the water cement ratio enabling either higher strength or cement economy.

Standards

ASTM C-494 type A, and F.

Packaging

POZZOLITH 390 FG is supplied in 210ltr drums and bulk.

Compatibility

POZZOLITH 390 FG is compatible with all types of Portland cement including SRC and modified, Type II. For use with other special cement types or blends contact your BASEF representative for advice.

Strength

Used to reduce the water cement ratio, POZZOLITH 390 FG will improve all the desirable performance characteristics of hardened concrete: higher compressive strength and modulus; lower permeability, shrinkage and creep.

Dosage

The normal range is 0.3 - 1.0 ltr / 100 kg cement. Higher dosages may be required when certain combinations of materials and conditions are present or water reduction in excess of 15% is required.

In all cases, trial mixes should be carried out to determine the optimum dosage required to achieve the desired concrete property.

Dispensing

POZZOLITH 390 FG is introduced into the mixer with the mixing water. The admixture works more efficiently if it is added to the dampened mix after 50 - 70% of the water has been introduced. No extension to normal mixing time is necessary. POZZOLITH 390 FG should never be added to dry cement.

Storage

POZZOLITH 390 FG must be stored in a place where temperature does not drop below +5°C. If product has frozen, thaw at and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

Adding Value to Concrete



The Chemical Company

POZZOLITH® 390 FG

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASEF's Technical Services Department.

Safety precautions

POZZOLITH 390 FG is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information, refer to material safety data sheet.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASEF representative.

BASEF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASEF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

06/96 BASEF-ME revised 04/2004

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8851000

Fax: +971 4 8851002

www.BASF-cc.ae

e-mail: marketingcc.mideast@BASF.com



Certificate No.
963680



Certificate No.
945787



Certificate No.
772556