

MasterPozzolith[®] 390N

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

DESCRIPTION

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

MasterPozzolith 390N is formulated for use over a wide dosage range. **MasterPozzolith 390N** can match the performance characteristics of many superplasticisers at lower dosage and cost.

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

PRIMARY USES

MasterPozzolith 390N 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 and controlled delays to initial set are beneficial.
- To effect reductions in the water cement ratio enabling either higher strength or cement economy.

PACKAGING

MasterPozzolith 390N is available in bulk or in 210 litre drums.

STANDARDS

EN 934-2 Tables 2, 10, 11.1 and 11.2
ASTM C-494 type B, D, and G.

TYPICAL PROPERTIES *

Colour	Dark brown liquid
Specific gravity	1.195 at 25°C
Chloride content	"chloride free" to EN 934
Freezing point	0°C

APPLICATION GUIDELINES

The normal range is 0.3-1.0 litre / 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.

STRENGTH

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

COMPATIBILITY

MasterPozzolith 390N 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 Master Builders Solutions representative for advice.

DISPENSING

MasterPozzolith 390N 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. **MasterPozzolith 390N** should never be added to dry cement.

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STORAGE

MasterPozzolith 390N must be stored in a place where temperature does not drop below +5°C. If product has frozen, thaw at +3°C and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

HEALTH AND SAFETY

MasterPozzolith 390N 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.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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 Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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