

MasterPozzolith[®] 10N

Low dosage, retarding and plasticising admixture for concrete

DESCRIPTION

MasterPozzolith 10N is a liquid admixture which acts on the cement particles in the mix, combining the effects of a powerful plasticiser and deflocculating agent with controlled retardation

APPLICATIONS

- Hot weather concreting where controlled delay to initial set is of prime importance
- Ready-mix concrete where workability retention coupled with retardation of initial set are beneficial
- To improve cohesion, workability and compaction in concretes using poorly graded/shaped fine aggregates
- Large slabs or bridge decks, etc. where extension of vibration limits is beneficial to avoid cold joints

ADVANTAGES

- Considerably extends vibration limit of concrete mixes, thus reducing incidence of honeycombing and cold joints
- Reduces placing problems in hot weather concreting by improving workability and workability retention
- Improves trowellability and surface finish
- Improves pumpability of concrete
- Considerably reduces permeability
- Enables economies in mix designs to be achieved

PACKAGING

. **MasterPozzolith 10N** is available in 1000 litre

TYPICAL PROPERTIES

Colour:	Dark brown liquid
Specific gravity:	1.114-1.124 @ 25°C
Chloride content:	Nil to BS 5075:1982 Nil
pH content:	5-7
Freezing point:	0°C can be reconstituted if stirred after thawing

STANDARDS

ASTM C-494: Types A and D
BS 5075: Part 1

DIRECTIONS FOR USE

MasterPozzolith 10N should be added to the concrete mix during the mixing cycle at the same time as the water or the aggregate. Never add **MasterPozzolith 10N** to the dry cement. No extension to normal mixing time is necessary.

DOSAGE

In all cases, we recommend trial mixes are carried out to determine the correct levels of admixture required to achieve the desired concrete properties.

MasterPozzolith 10N is normally dispensed depending on the desired plasticising or water-reducing effect at a rate of 0.2-0.6ltr/100kg of cement.

Other dosages may be used, depending on the materials and conditions.

COMPATIBILITY

MasterPozzolith 10N can be used with all types of Portland cement including SRC. For use with other special cements, contact Master Builders Solutions 's Technical Services Department.

MasterPozzolith 10N should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing **MasterPozzolith 10N**, they must be dispensed separately. Consult Master Builders Solutions 's Technical Services Department for advice.

EFFECTS OF OVER DOSAGE

A severe over-dosage of **MasterPozzolith 10N** will result in the following:

- Retardation of initial and final set.
- Slight increase in air entrainment.
- Increase in workability.

MasterPozzolith® 10N

Providing it is properly cured, the ultimate strength of the concrete will not be adversely affected and will generally be higher than for normal concrete. The retarding effects of very high dosages will be exaggerated with SR cement.

DISPENSING

MasterPozzolith 10N should be dispensed through a proprietary dispenser, such as is available from Master Builders Solutions .

STORAGE

Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is up to 2 years when stored as above. 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 's Technical Services Department

SAFETY PRECAUTIONS

MasterPozzolith 10N is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet

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

SHELF LIFE

Up to 24 months if stored according to manufacturer's instructions in unopened containers.

NOTE

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

QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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