

MasterPozzolith 390N

**Water reducer / Plasticizer / for the production of workable concrete. Chloride free
 (According to EN 934-2, Table 2)**

DESCRIPTION

MasterPozzolith 390N is a liquid dark brown water reducer plasticizer, chloride free product. At the same workability it lowers the water / cement ratio and - or it improves the workability at the same water / cement ratio.

(According to EN 934-2, Table 2 or ASTM type A).

BENEFITS

With respect to all other plasticizers, MasterPozzolith 390N is highly flexible product for the obtainment of the desired characteristics. Generally speaking, best performance of superplasticizers is obtained when the dosage ranges between 1 and 2% by cement weight. At a significantly lower dosage (0,2 to 0,4%) ordinary plasticizers perform better than superplasticizers. Conversely, MasterPozzolith 390N within a wide better or same performances than ordinary plasticizers and superplasticizers. Especially in the range from 0,5% up to 0,8% performance better than plasticizers or superplasticizers. MasterPozzolith 390N permits to obtain a wide range of performances with one admixture and only varying the dosage. MasterPozzolith 390N is especially suited for who would like to have only one admixture – for a more effective management – and doesn't need (or rarely needs) any outstanding technical performance, for which the use of MasterGlenium or MasterRheobuild superplasticizers are always recommended.

Recommended for:

- Mass concrete pours
- Ready mixed concrete industries
- Long distance transport concrete
- Pumping concrete
- Concreting in hot climates
- Low slump concreting with excellent compaction ability for slip-forming
- Airfields runways, aprons, hangars, roads

To obtain:

- Minimum thermal peaks
- Highly flowable concrete for extended periods
- Easy pumping operations

- Long duration of workability
- High reliability
- High ultimate strengths
- Impermeability, Durability
- Excellent compaction ability

Not recommended:

- For high early strengths in normal Ready mix concrete
- At very low temperatures
- In these cases we recommend the use of MasterGlenium 11 in combination or not.

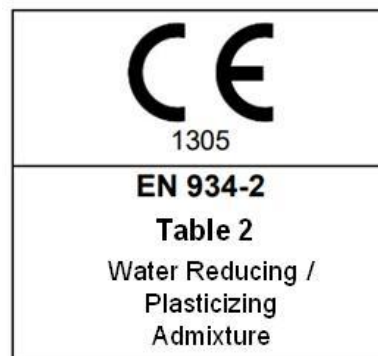
COMPATIBILITY

MasterPozzolith 390N is compatible with all kind of cements described at the EN 197-1. It is compatible too with air entrainers complying with BS, ASTM, UNI, EN standards.

The addition of MasterPozzolith 390N and MasterAir 108 to concrete is recommended in all cases where concrete is required to withstand freezing and thawing cycles.

Following products for special concrete requirements:

- Air Entrainer MasterAir 108 or MasterAir 160 for resisting in freeze and thawing cycles (according to EN 206-1),
- Silica fume in powder form MasterRoc MS 610 for resistance in aggressive environments (chemicals, sulphates etc.)
- Curing compound MasterKure 127WB for the protection against the water evaporation of all kind of fresh concrete surfaces
- Demoulding agent MasterFinish 211 for excellent concrete finishing



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DIRECTIONS OF USE

MasterPozzolith 390N is a ready to use liquid which is introduced into mixer together with the mixing water. The plasticizing or water reducing effect higher if the admixture is added to the damp concrete after 80–90% of the mixing water has been introduced.

DOSAGE

MasterPozzolith 390N is normally dispensed at a rate of 0,24 ~ 0,96 kg (0,2 έως 0,8 Lit) per 100 kg of cement. Other dosages may be required depending on specific conditions.

PACKAGING AND STORAGE

MasterPozzolith 390N is supplied in 250 kg drums or in 1200 kg tanks (IBC's), or in 20 kg cans. MasterPozzolith 390N must be stored in a place where temperature does not drop below +5°C. If product has frozen, thaw at +30°C and agitate until completely reconstituted.

TECHNICAL CHARACTERISTICS

Aspect	Liquid
Relative density (g/ml at 20°C)	1,160 – 1,220

From 16/12/1992 Master Builders Solutions Italia Spa operates under the Quality System in compliance with European Standard UNI-EN ISO 9001. The environmental management system of Master Builders Solutions Italia Spa is certified accordingly to UNI EN ISO 14001 and the System of Safety Management is certified accordingly to ISO 45001

Master Builders Solutions Italia Spa

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For further information, please consult your local Master Builders Solutions Italia Spa representative.

The technical advice on how to use our products, either written or verbally given, are based on the present state of our best scientific and practical knowledge, and no guarantee and/or implicit or explicit responsibility are assumed on final results of works executed by the use of our products. The owner, his representative, or the contractor is responsible for checking the suitability of our products as to the intended use and aims.

Supersedes all prior issues on this product.

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