

MasterPozzolith 400

New generation water reducing admixture

Material Description

MasterPozzolith 400 is a versatile, robust and neutral set water reducing admixture based on specially formulated polymers. The product has been primarily developed to be an economical alternative to basic admixtures for premixed and precast applications with target slumps of 80 – 120 mm. This product has been designed to capture the benefits of strong dispersion and robust characteristics derived from the polymers. **MasterPozzolith 400** enhances the overall performance in terms of water reduction, slump retention, mix rheology and compressive strength. This admixture is ideal for lean and normal concrete mixes. **MasterPozzolith 400** contains no added chlorides and is compatible with all main types of cements and supplementary cementitious materials. It can be used in combination with other Master Builders Solutions admixtures to achieve the desired set times in cold as well as hot weather conditions. **MasterPozzolith 400** conforms to AS 1478 Type WR.

Areas of Application

- All types of concrete where a non-chloride water reducing admixture is required. eg - foundations, slabs, driveways, floor slabs, etc.
- Improving the performance of both pumped and conventionally placed concrete.
- Applications where superior mix rheology, easier screeding and finishing are required.
- Mixes where optimum efficiency of mix water content and workability are required.

Characteristics and Benefits

- Good dispersion in normal concrete mixes
- Linear water reduction with increasing dosage
- Improved workability retention at higher temperatures
- Improved pumpability resulting in lower pump operating pressures
- Normal setting characteristics under cool conditions allowing earlier finishing
- Reduced water content for a given workability

Properties

Aspect	Dark brown to black
Relative Density	1.075 ± 0.020
pH	7.5 ± 1.0
NVM	19.5 ± 2.0

Quantity to Use

The recommended dose rate for **MasterPozzolith 400** is between 200 and 500 mls/ 100 kg of cementitious material. An increase in dose rate results in an increase in water reduction or increase in workability.

The optimum dosage rate in each instance should be determined by correctly conducted trials using materials and conditions of use under the supervision of a Master Builders Solutions Technical Sales Representative.

Dispensing

MasterPozzolith 400 may be added to the mix with the initial batch water, although for the best results, **MasterPozzolith 400** should be added after the initial introduction of batch water to the cement. Other admixtures should be added into the batch water for better dispersion and compatibility.

Compatibility

MasterPozzolith 400 is not compatible with admixtures containing sulfonated naphthalene formaldehyde condensates (SNFC). **MasterPozzolith 400** is compatible with all MasterAir products. The dosage of air entraining agent, however, when added with **MasterPozzolith 400** may be altered to achieve the required air content. Initial lab and field trials are recommended to verify exact dose rates. **MasterPozzolith 400** can be used in combination with other Master Builders Solutions admixtures to achieve cost effective performance; e.g. addition with MasterPolyheed mid-range water reducers, MasterGlenium SKY range of high range water reducers and non-chloride based accelerator such as MasterSet AC 534. Each admixture should be dispensed separately into the mix to ensure complete distribution throughout the mix.



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MasterPozzolith 400 should not be used in conjunction with other admixtures unless specific test information is available or advised by Technical Sales Representative.

Packaging

MasterPozzolith 400 is supplied in bulk, 1000 litre pallecons and 20 litre pails.

Storage & Shelf Life

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. Protect from direct sunlight. MasterPozzolith 400 has a shelf life of 12 months after manufacturing.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

Disclaimer

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STATEMENT OF RESPONSIBILITY

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NOTE

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