

MasterPozzolith[®] 405

Set retarding and water reducing concrete admixture

MasterPozzolith[®] 405 is a ready-to-use, liquid admixture for producing quality concrete with consistent performance.

It reduces the quantity of mixing water required to produce concrete of a given workability with greater economy for a given strength. The retarding nature of the admixture also aids placing and finishing of concrete.

MasterPozzolith[®] 405 meets ASTM C494/C494M – Type B (Retarding) and Type D (water-reducing and retarding) admixtures. It does not contain chloride-based ingredients and will not initiate or promote corrosion of reinforcing steel in concrete.

MasterPozzolith[®] 405 admixture is recommended for use in all types of concrete where moderate to extended retardation of set and improved performance are desired. The admixture improves workability of pumped concrete, shotcrete (wet mix) and conventionally placed concrete.

MasterPozzolith[®] 405 can be used with high content of manufactured sand and with air entraining admixtures approved under ASTM. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix. By itself, **MasterPozzolith[®] 405** admixture does not entrain air.

Concrete produced with **MasterPozzolith[®] 405** admixture will have appreciable strength development after initial set occurs. If retardation is within the normal ASTM C 494/C494M – types B and D specifications, **MasterPozzolith[®] 405** admixture will develop higher early (24 hours) and higher ultimate strengths than plain concrete when used within the recommended dosage range and under normal, comparable curing conditions.

MasterPozzolith[®] 405 used at optimum dosage enhances the performance of concrete providing the following special qualities:

- Improved workability

- Reduced segregation
- Superior finishing characteristic
- Controlled retardation depending on the rate of addition
- Provides flexibility in scheduling of placing and finishing
- Offset effects of too early hardening during extended delays between mixing and placing.
- Helps eliminate cold joints
- Lower peak temperature and/or rate of temperature rise in mass concrete – reduces thermal cracking

MasterPozzolith[®] 405 admixture is recommended for use at the rate of 200 - 400 ml per 100 kg of cementitious content for most concrete mixes using typical concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than recommended amounts may be required. In such cases, contact your local Master Builders Solutions representatives.

MasterPozzolith[®] 405 is available in 205L drum or in bulk delivery.

MasterPozzolith[®] 405 admixture has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your Master Builders Solutions representative regarding suitability for use and dosage recommendations if the shelf life of **MasterPozzolith[®] 405** admixture has been exceeded.

Health: **MasterPozzolith[®] 405 405** does not contain any hazardous substances requiring labeling. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc. For detailed Health, Safety and Environmental recommendations, please consult and follow instructions in the product Material Safety Data Sheet.



We create chemistry

MasterPozzolith[®] 405

AN/ MasterPozzolith[®] 405 //v1/190313

**STATEMENT OF
RESPONSIBILITY**

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

PT BASF Indonesia

DBS Bank Tower 27th Floor

Ciputra World 1 Jakarta

Jl. Prof. Dr. Satrio Kav. 3-5

Jakarta 12940

Phone: +6221 29886000

Website: www.master-builders-solutions.basf.co.id