

POZZOLITH® 80

Concrete admixture

DESCRIPTION:

POZZOLITH 80 ready-to-use, liquid admixture is for making more uniform and predictable quality concrete. POZZOLITH 80 admixture meets ASTM C 494 requirements for Type A water-reducing, Type B retarding and Type D retarding and water-reducing admixtures, specifically:

- Increased strength—compressive and flexural
- Relative durability to damage from freezing and thawing—well above industry standards
- Reduced water content required for a given workability
- Controlled setting characteristics—normal or retarded

ADVANTAGES:

When the dosage rate is adjusted to produce the desired setting characteristics, POZZOLITH 80 admixture aids in the production of concrete with the following special qualities:

- Improved workability
- Reduced segregation
- Provides flexibility in the scheduling of placing and finishing operations
- Offsets effects of too early hardening during extended delays between mixing and placing
- Helps eliminate cold joints
- Allows for dead-load deflection to take place (before concrete sets) in extended pours for bridge decks, cantilevers, nonshored structural elements, etc.
- Lowers peak temperature and/or rate of temperature rise in mass concrete—reduces thermal cracking
- Effective as a singular admixture or as a component in a Master Builders Admixture System

WHERE TO USE:

POZZOLITH 80 admixture is recommended for use in concrete where normal or retarded setting characteristics are required along with all the benefits of an efficient, water-reducing admixture. It can be used in all types of concrete—prestressed, precast, reinforced, shotcrete, lightweight, pumped, etc.

When dispensed separately into the mix, POZZOLITH 80 admixture can be used with all air-entraining admixtures approved under ASTM, AASHTO and CRD specifications, including Master Builders air-entraining admixtures.

POZZOLITH 80 admixture will not initiate or promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally added calcium chloride or chloride-based ingredients. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes a maximum of 0.0002% (2.0 ppm) chloride ions by weight of the cement when used at the rate of 1 fl oz per 100 lb (65 mL per 100 kg) of cement.

QUANTITY TO USE:

Depending on the setting characteristics desired, POZZOLITH 80 admixture is recommended for use at the rate of 4 to 10 fl oz per 100 lb (260 to 650 mL per 100 kg) of cement for most concrete mixes using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amounts may be required. In such cases, contact your local Master Builders representative.

RATE OF HARDENING:

The temperature of the concrete mix and the ambient temperature affect the hardening rate of concrete. At higher temperatures, concrete hardens more rapidly which may cause problems with placing and finishing. The dosage rate of POZZOLITH 80 admixture can be varied to provide the desired setting characteristics.

PACKAGING:

POZZOLITH 80 admixture is supplied in 55 U.S. gallon (208 liter) drums and bulk delivery.

TEMPERATURE PRECAUTION:

If POZZOLITH 80 admixture has frozen, thaw at 35 °F (2 °C) or above and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**



For additional information on POZZOLITH 80 admixture or on its use in developing a concrete mix with special performance characteristics, contact your local Master Builders representative.

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