

POZZOLITH® 220-N

Concrete admixture

DESCRIPTION:

POZZOLITH® 220-N is a ready-to-use, liquid admixture for making more uniform and predictable quality concrete. It 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
- Normal-setting characteristics

ADVANTAGES:

Concrete with POZZOLITH 220-N admixture has a setting time comparable to plain concrete while providing the following special qualities:

- Improved workability
- Reduced segregation
- Improved finishing characteristics for flatwork and cast surfaces
- Effective as a singular admixture or as a component in a Master Builders Admixture System

WHERE TO USE:

POZZOLITH 220-N admixture is recommended for use in all concrete where normal-setting characteristics are desired.

As a result of the advantages listed above, this admixture improves pumped concrete, shotcrete (wet mix), and conventionally placed concretes. It improves plain, reinforced, precast, prestressed, lightweight or standard weight concrete.

POZZOLITH 220-N admixture can be used with portland cements approved under AASHTO, ASTM and CRD specifications. The use of POZZOLITH 220-N and a Master Builders air-entraining admixture is recommended whenever concrete is required to withstand freeze/thaw cycles. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix. By itself, POZZOLITH 220-N admixture does not entrain air.

POZZOLITH 220-N 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 less than 0.00015% (1.5 ppm) chloride ions by weight of the cement when used at the rate of 1 fl. oz. per 100 lbs. (65 ml per 100 kg) of cement.

POZZOLITH 220-N admixture can be used in white or colored concrete and in architectural concrete.

QUANTITY TO USE:

POZZOLITH 220-N admixture is recommended for use at a rate of 2 to 5 fl ozs per 100 lbs (130 to 325 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.

PACKAGING:

POZZOLITH 220-N admixture is supplied in 55 U.S. gallon (208 liter) drums and by bulk delivery.

TEMPERATURE PRECAUTION:

If POZZOLITH 220-N 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 220-N admixture or on its use in developing a concrete mix with special performance characteristics, contact your local Master Builders representative.

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