

MASTERPAVE™-RI

Admixture for paving concrete

DESCRIPTION:

MASTERPAVE™-RI is a ready-to-use, liquid admixture expressly recommended for pavement concrete. It meets ASTM C 494 requirements for Type B retarding and Type D water-reducing and retarding 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
- Retarded setting characteristics

MASTERPAVE-RI admixture will not initiate or promote corrosion of reinforcing steel in concrete.

ADVANTAGES:

The retarded setting characteristics of MASTERPAVE-RI admixture aid in the production of concrete which has the following special qualities in the plastic or hardened state:

Plastic Concrete

- Moderate to extended retardation—depending on the dosage used
- Improved texturing characteristics
- Greater edge stability and slump control
- Improved workability—using less water
- Reduced segregation
- Increased placing rate

Hardened Concrete

- Increased compressive and flexural strengths
- Higher early strength

WHERE TO USE:

MASTERPAVE-RI admixture can be used in all paving-related concrete requiring retarded set in combination with all the benefits of an effective, water-reducing admixture.

This admixture can be used with all air-entraining admixtures approved under AASHTO, CRD and ASTM specifications, including Master Builders air-entraining admixtures. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix.

MASTERPAVE-RI 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 the chlorides originating from the ingredients used in its manufacture, contributes less than 0.00014% (1.4 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:

MASTERPAVE-RI admixture is recommended for use at a rate of 2 to 3 fl oz per 100 lb (130 to 195 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, consult your local Master Builders representative.

PACKAGING:

MASTERPAVE-RI admixture is supplied in bulk.

TEMPERATURE PRECAUTION:

Care should be taken to prevent MASTERPAVE-RI admixture from freezing. If it freezes, 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 MASTERPAVE-RI admixture or on its use in developing a concrete mix with special performance characteristics, contact your local Master Builders representative.

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