

TECHNICAL DATA SHEET

RITEMIX ACCELERATOR

Accelerating Admixture

PRODUCT DESCRIPTION:

RITEMIX ACCELERATOR is a chloride-free accelerating admixture supplied as a light yellowish-colored solution that accelerates the hydration of cement producing more rapid stiffening and allowing rapid strength gain.

CUSTOMER BENEFITS:

- Allows continuous placing of concrete at low temperatures
- Chloride-free, safe for use in reinforced concrete
- Allows earlier release from precast molds
- Suitable for use in bricklaying mortar

RECOMMENDED FOR:

As an accelerator for use in concrete and cement mortars to promote rapid strength development for early stripping of formwork, and to assist in resisting frost attack, ideal for cold winter working conditions.

STANDARD COMPLIANCE

RITEMIX ACCELERATOR complies with ASTM C494 as Type C.

INSTRUCTION FOR USE

MIX DESIGN

Where the main requirement is to improve strengths, initial trials should be made with normal concrete mix designs. The addition of the admixture will allow the removal of water from the mix whilst maintaining workability. After initial trials, minor modifications to the overall mix design may be made to optimize performance.

COMPATIBILITY

RITEMIX ACCELERATOR is generally compatible with other Magna Prime admixtures; however, admixtures should be added separately to the concrete mix and should not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is combined.

RITEMIX ACCELERATOR is compatible with ordinary and rapid hardening Portland cement but not high alumina or sulfate-resisting cement.

DISPENSING

The correct quantity of **RITEMIX ACCELERATOR** should be measured by means of a recommended dispenser. Normally, the admixture should be added to the concrete with its mixing water to obtain the best results.

TYPICAL DOSAGE

The optimum dosage of **RITEMIX ACCELERATOR** to meet specific requirements should always be determined by trial mixes using the material and conditions that will be experienced in use.

The following addition rates are recommended as a starting point:

Temperatures above 4°C

Concrete and mortars: 1.7 liters/100kg cement

Temperatures from 4°C to -2°C

Concrete and mortars: 2.6 liters/100kg cement

Temperatures below -2°C

Concrete and mortars: 3.4 liters /100kg cement

USE AT OTHER DOSAGES

Dosages outside the typical ranges quoted above can be used to meet particular requirements. Contact your local Magna Prime office for advice.

EFFECTS OF OVERDOSING

Overdosing will result in increased acceleration, and may also cause increased air entrainment, which will tend to reduce strength. The degree of this effect will depend on the particular mix design and overdose level.

CLEANING AND DISPOSAL

Spillages of **RITEMIX ACCELERATOR** should be absorbed onto sand, earth, or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

LIMITATIONS

RITEMIX ACCELERATOR should not be used where there is high alumina cement or sulfate-resisting cement, or where steam curing is employed.

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PACKAGING

RITEMIX ACCELERATOR is available in 20 liters and 200 liters drum.

STORAGE AND HANDLING

RITEMIX ACCELERATOR has a minimum shelf life of 15 months when stored unopened and in a cool and dry place.

PRECAUTIONS

HEALTH AND SAFETY

RITEMIX ACCELERATOR should not be swallowed. Any splashes should be washed well with water. Any eye contamination should be washed with plenty of water.

RITEMIX ACCELERATOR is an inert, non-flammable material.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.