

TECHNICAL DATA SHEET

RITEMIX BLOCKSAVE

Cement Saver for semi-dry concrete

PRODUCT DESCRIPTION

RITEMIX BLOCKSAVE is a chloride free water reducing admixture supplied as a brown solution which instantly disperses in water.

RITEMIX BLOCKSAVE disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken.

CUSTOMER BENEFITS

- Allows specified strength grades to be met at reduced cement content or increased workability.
- Water reduction significantly improves compressive strengths at all ages and enhances durability through the production of low permeability concrete.
- Minimizes the risk of segregation and bleeding and assists in the production of a dense, close textured surface, improving durability.
- Breakages reduced due to increased compressive strength at early ages.
- To improve the effectiveness of the water content of a concrete mix.
- At higher dosages to provide a cost effective means of reducing concrete permeability and thereby reducing water penetration.
- To improve the quality and consistency of concrete products produced by modern paving and masonry block machines.
- To provide smoother, faster machine operation and increase product strength.

Standards compliance

RITEMIX BLOCKSAVE conforms with ASTM C494 as Type A.

Typical Dosage

The optimum dosage of **RITEMIX BLOCKSAVE** to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. A starting point for such trials is to use a dosage within the normal typical range of 0.40 to 1.0 liters /100kg.

Use at other dosages

Dosages outside the typical range quoted above may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available. Compliance with requirements must be assessed through trial mixes. Contact Technical Department for advice in these cases.

Effects of overdosing

An overdose of double the intended amount **RITEMIX BLOCKSAVE** will result in a significant increase in retardation as compared to that normally obtained at the intended dosage. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation and will generally be increased. The effects of overdosing will be further increased if sulfate resisting cement or cement replacement materials are used.

Instructions for use

Compatibility

RITEMIX BLOCKSAVE is compatible with other Magna Prime admixtures used in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by the trial mixes.

RITEMIX BLOCKSAVE is suitable for use with all types of ordinary Portland cements and cement replacement materials.

The use of a combination of admixtures in the same concrete mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times.

Dispensing

The correct quantity of **RITEMIX BLOCKSAVE** should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results. Contact Magna Prime for advice regarding suitable equipment and its installation.

PACKAGING

RITEMIX BLOCKSAVE is available in 20 liters and 200liter (drums).

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Storage

RITEMIX BLOCKSAVE has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range contact Magna Prime for advice.

Freezing point: Approximately -3°C

Precautions

Health and safety

RITEMIX BLOCKSAVE does not fall into the hazard classifications of current regulations (see notes 1 and 2 below). However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - **do not** induce vomiting.

For further information consult the Safety Data Sheet available for this product.

Fire

RITEMIX BLOCKSAVE is water based and non-flammable.

Cleaning and disposal

Spillages of **RITEMIX BLOCKSAVE** 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.

Additional information

Note 1: CPL Regulations 1984 Supply- Schedule 1

Note 2: HSE publication Guidance Note EH40