

TECHNICAL DATA SHEET

RITEMIX IWL

Integral Waterproofing Concrete Admixture

PRODUCT DESCRIPTION

RITEMIX IWL is a concrete admixture in liquid form that acts both as a highly efficient plasticizer and waterproofing agent.

CUSTOMER BENEFITS

- Increased strength and durability
- Improved water tightness
- Improved workability without increased water content
- Allows easier compaction leading to denser concrete and superior finish
- Reduced shrinkage
- Chloride free – does not attack reinforcement

RECOMMENDED FOR:

- Use in structural and mass concrete
- Reservoir and dams
- Canals and culvert tunnels
- Sewerage works and whatever waterproof concrete is required

Dosage

The optimum dosage of **RITEMIX IWL** to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimization of admixture dosage and mix design and provides a complete assessment of the mix. As a guide, an addition rate of 0.80 – 1.00% is recommended by weight of cement.

Instructions for use

RITEMIX IWL is suitable for use with all types of 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

RITEMIX IWL can be added separately to the freshly mixed concrete or directly to the mixing water prior to its addition to the aggregates.

Effects of overdosing

An overdose of double the intended amount of **RITEMIX IWL** will result in increased retardation and workability.

Where overdosing accidentally occurs, apart from retardation of the initial set, no detrimental effect will take place.

Limitations

The use of **RITEMIX IWL** will not make poor quality concrete waterproof. Good concrete practice must be followed at all times. Well graded aggregates must be used and a minimum cement content of 300kg/m³ is usually recommended. Adequate waterstops must be provided between lifts of concrete and floor bays.

PACKAGING

RITEMIX IWL is available in 20 liter pail and 200 liter drum.

Storage

RITEMIX IWL has a minimum shelf life of 12 months provided the temperature is kept within warehouse conditions below 35°C.

Precautions

Health and safety

Wear suitable protective gloves and goggles. In case of contact with the skin, wash immediately with soap and 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 IWL is an inert, non-flammable material.

Cleaning and disposal

Spillages of **RITEMIX IWL** should be removed by 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.