

TECHNICAL DATA SHEET

BLOCKOUT IWL

Integral Waterproofing Concrete Admixture

PRODUCT DESCRIPTION:

BLOCKOUT IWL is a concrete admixture in liquid form that acts both as a highly efficient plasticizer and integral 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
- Swimming pools and cistern tanks

RECOMMENDED FOR:

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

INSTRUCTIONS FOR USE

BLOCKOUT 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.

DOSAGE

The optimum dosage of **BLOCKOUT 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.

DISPENSING

BLOCKOUT 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 **BLOCKOUT 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 **BLOCKOUT 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 water stops must be provided between lifts of concrete and floor bays.

CLEANING AND DISPOSAL

Spillages of **BLOCKOUT 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.

PACKAGING

BLOCKOUT IWL is available in gallon, 20 liter carboy, and 200 liter drum.

STORAGE AND HANDLING

BLOCKOUT IWL has a minimum shelf life of 15 months provided the temperature is kept within warehouse conditions below 35°C.

PRECAUTIONS

HEALTH AND SAFETY

If swallowed seek medical attention immediately - do not induce vomiting.

BLOCKOUT IWL 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.