

CAT. NO. ADM-2-2403

ISOLA BV

Water Reducing/ Plasticizing/ Retarding Admixture

ISOLA BV is a liquid solution of lignosulfonic acid which is free of any chloride ions. It is a water-reducing, plasticizing, retarding admixture for concrete. It provides a more plastic and cohesive mix in the fresh concrete, with better durability, reduced shrinkage and less permeability.

APPLICATION

ISOLA BV is used in concrete of all classes. It is used in ready-mixed, pre-stressed, precast and light weight concrete.

ADVANTAGES

- Increased strength while maintaining same cement content and workability.
- Increased workability while maintaining same water content.
- Reduced cement content while maintaining same slump without loss in target strength.
- Better cohesion and finishing properties than plain, no-admixture concrete.
- Compatible with Isola admixtures such as Superplasticizer and Air entraining agents.

SPECIFICATION

ISOLA BV generally complies with the requirements of BS EN 934-2:2009+A1:2012 (table 10) and ASTM C 494 Type A, B, D.

DOSAGE

ISOLA BV is added to concrete at the rate of 0.25-0.4 liter per 50 kg bag cement (0.5-0.8 liter per 100 kg) depending on the degree of the water reduction and plasticizing effect required. Trial mixes should be carried out to determine optimum dosage.

DISPENSING

Approximately 70% of the total amount of mixing water is added to the dry ingredients while mixing for a minimum of 45 seconds. **ISOLA BV** is then added simultaneously with the remaining 30% water and mixed further until homogeneous in appearance.

PACKING

ISOLA BV is packed in 210 liter drum or 1000 liter bulk.

HEALTH/ SAFETY

ISOLA BV is mildly alkaline. Always wear protective hand gloves when handling. If accidentally splashed on the eyes, wash thoroughly with clean water and seek medical attention.

SHELF LIFE

Twelve months in original container stored in warehouse condition below 30⁰ Celsius ambient temperature.

Revised: 28.04.2024

Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

ISOLA SOLUTIONS W.L.L

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: isola@hajihassan.com, web: www.isolasolutions.com