

ISOTEC G311[®]



Water Reducing and Retarding Admixture for Concrete

FEATURES

ISOTEC G311[®] is a concrete admixture based on polymers and retarders for water reduction and improved strength. It has been designed for use alone or with other grades of admixture.

ADVANTAGES

ISOTEC G311[®] is used wherever high quality concrete is demanded under difficult placing and climatic conditions.

APPLICATION

ISOTEC G311[®] is suitable for use with all types of ordinary Portland cements and microsilica. The product improves workability without increased water. Maintains workability and extends the working life of concrete in hot weather.

- Improved workability.
- Enhanced good flowing concrete.
- Give longer workability.
- Delay setting with longer workability.
- Chloride free.

DOSAGE

The required dosage depends on the concrete design and varies typically between 2.5 – 0.6 % of the cement weight.

ISOTEC G311[®] should be added with the water before mixing the concrete. Dosages outside this range as well as blending with other admixtures can be used to produce particular mix requirements. After laboratory trials to obtain desired level of performance and benefits.

PACKAGING

ISOTEC G311[®] is available in IBC and other pack size.

PRODUCT DATA

Nature	Brown Liquid
Specific gravity	1.190 ± 0.02
PH	7 ± 2
Chloride content	Nil

COMPATIBILITY

ISOTEC G311[®] is compatible with a wide range of admixtures. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.

STANDARD SPECIFICATION

Complies with ASTM C-494 Type G and BS 5075 Part 3.

OVERDOSING

An overdose of **ISOTEC G311[®]** will result in a significant increase in retardation. However provided that adequate curing is maintained, the ultimate strength of the concrete will be maintained or increased.

ISOTEC G311[®]



Water Reducing and Retarding Admixture for Concrete

SHELF LIFE

12 months when stored below 35 C under shade in a dry area.

HEALTH & SAFETY

ISOTEC G311[®] is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose



www.isotec-eg.com