

# ISOTEC G418<sup>®</sup>

**ISOTEC**

## High Range Super Plasticize Water Reducing and Retarding

### FEATURES

**ISOTEC G418<sup>®</sup>** is a concrete admixture based on polymers and retarders for producing free-flowing concrete in hot climates. Also, a substantial water reducing agent for promoting high early strengths

### ADVANTAGES

**ISOTEC G418<sup>®</sup>** is used wherever high quality concrete substantial improvement in workability without increased water. Early strengths significantly increased. High ultimate strengths. Up to 20% water reduction. Especially suitable for hot climates

### APPLICATION

**ISOTEC G418<sup>®</sup>** is suitable for use with all types of ordinary Portland cements, sulphate resisting Portland cement and microsilica. The product improves workability without increased water.

- Improved workability
- Reduce cement content
- Long distance transport
- Minimize bleed and segregation
- High early and strength
- Improve durability
- Enhanced good flowing concrete
- Chloride free

### DOSAGE

The required dosage depends on the concrete design and varies typically between 2.5 – 0.5 % of the cement weight.

**ISOTEC G418<sup>®</sup>** 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 G418<sup>®</sup>** is available in IBC and other pack size.

### PRODUCT DATA

Nature	Brown Liquid
Specific gravity	1.185 ± 0.02
PH	7.5 ± 2
Chloride content	Nil

### COMPATIBILITY

**ISOTEC G418<sup>®</sup>** 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.

### OVERDOSING

An overdose of **ISOTEC G418<sup>®</sup>** 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.

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### STANDARD SPECIFICATION

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

### SHELF LIFE

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

### HEALTH & SAFETY

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**ISOTEC G418<sup>®</sup>** 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



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[www.isotec-eg.com](http://www.isotec-eg.com)