

# ISOTEC G275<sup>®</sup>



## High Range Water Reducing Superplasticiser for High Ultimate Strength

### FEATURES

**ISOTEC G275<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 ultimate early strengths.

### ADVANTAGES

**ISOTEC G275<sup>®</sup>** is used wherever high quality concrete is demanded under difficult placing and climatic conditions. It designed for promoting high early and ultimate strengths.

### APPLICATION

**ISOTEC G275<sup>®</sup>** is suitable for use with all types of ordinary Portland cements. The product improvement in workability without increased water.

- Improved workability.
- Reduce cement content.
- longer workability.
- Reduce permeability.
- Improve durability.
- High early and ultimate strength.
- Chloride free.

### TECHNICAL DATA

- Nature: Brown liquid.
- Specific Gravity:  $1.215 \pm 0.02$ .
- pH:  $7.5 \pm 2$ .
- Chloride content: Nil.

### PACKAGING

**ISOTEC G275<sup>®</sup>** is available in IBC and other pack size.

### STANDARD SPECIFICATIONS

Complies with ASTM C494- Type G and BS 5075 Part 3.

### DOSAGE

The required dosage depends on the concrete design and varies typically between 0.5 – 2.7 % of the cement weight.

**ISOTEC G275<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.

### OVERDOSING

An overdose of **ISOTEC G275<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.

### COMPATIBILITY

**ISOTEC G275<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.

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### **SHELF LIFE**

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12 months when stored below 25°C under shade in a dry area.

### **HEALTH, SAFETY & ENVIRONMENT**

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**ISOTEC G275<sup>®</sup>** is Non-Toxic under relevant health and safety code.  
Residues of material must be removed according to local regulations.  
Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

### **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)**