

# ISOTEC G271<sup>®</sup>



High Range, Water-Reducing Superplasticiser For High Strength

## FEATURES

**ISOTEC G271<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 early strengths and for concretes containing GGBS and microsilica.

## ADVANTAGES

**ISOTEC G271<sup>®</sup>** is used wherever high quality concrete substantial improvement in workability without increased water. Early strengths significantly increased. Especially suitable for hot climates

## APPLICATION

**ISOTEC G271<sup>®</sup>** is suitable for use with all types of ordinary Portland cements. The product improves workability without increased water.

- Mass concrete pours
- Reduce cement content
- High workability for longer periods
- Reduce permeability
- Improve durability
- High early and ultimate strength
- Chloride free

## PACKAGING

**ISOTEC G271<sup>®</sup>** is available in IBC and other pack sizes.

## PRODUCT DATA

Nature:	Brown liquid
Specific Gravity:	1.2 ± 0.02
pH:	7 ± 2
Chloride content:	Nil

## Standard specifications

Complies with ASTM C-494 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 G271<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 G271<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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## Compatibility

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**ISOTEC G271<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.

## Shelf Life

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

## Health, safety & environment

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**ISOTEC G271<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)