

# ISOTEC F400<sup>®</sup>



## High Range Water Reducing And Ultimate Strengths

### FEATURES

**ISOTEC F400<sup>®</sup>** is a concrete admixture based on polymers, it is highly effective dual action liquid super-plasticizer for the production of free flowing concrete or as a substantial water-reducing agent for promoting high early and ultimate strengths.

### ADVANTAGES

**ISOTEC F400<sup>®</sup>** is used wherever high quality concrete is demanded under difficult placing and climatic conditions. It is designed for promoting high early and ultimate strengths.

### APPLICATION

**ISOTEC F400<sup>®</sup>** is suitable for use with all types of ordinary Portland cements, sulphate resisting Portland cement and pozzolanic materials such as PFA and microsilica. The product improves workability without increased water.

- Workability is greatly improved.
- Pre-cast concrete elements.
- Normal set without retardation.
- Reduced cement content.
- Easy placing, less vibrating.
- High early and ultimate strengths.
- Chloride free.

### PACKAGING

**ISOTEC F400<sup>®</sup>** is available in IBC and other pack size.

### PRODUCT DATA

Nature:	Brown liquid
Specific Gravity:	1.210 ± 0.02
pH:	7 ± 2
Chloride content:	Nil

### Standard specifications

**ISOTEC F400<sup>®</sup>** Complies with ASTM C-494 Type F and BS 5075 Part 3.

### Dosage

The required dosage depends on the concrete design and varies typically between 0.5 – 4.5 % of the cement weight. Suitable for re-dosing.

**ISOTEC F400<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 F400<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

**ISOTEC F400<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

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

### Health, safety & environment

**ISOTEC F400<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



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