



Window Into Construction

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## WinFlow™ PR 31WME

### Mid range super plasticizer with high slump retention

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#### Product description

**WinFlow PR 31WME** is a blend of naphthalene sulphonate and refined hydration control agent, provides high workability and better slump retention.

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#### Application

- Flatwork, architectural concrete
  - Micro silica and GGBS modified concrete where durable and low permeability concrete is required
  - Long haul and hot weather concreting
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#### Features/ benefits

- Improves workability
  - Reduces water requirement
  - Extends setting time
  - Increases compressive strength
  - Reduces permeability
  - Increases durability
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#### Tests/ standards

Complies with ASTM C-494 type –D and G & EN 934-1:2008

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#### Typical properties

Appearance	: Dark brown liquid
Specific gravity @ 25°C	: 1.15±0.03
pH	: 5.3±1
Chloride content	: Chloride free
Total alkali content (as Na <sub>2</sub> Oequivalent)	: 1.66%

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#### Technical support

WME provides a comprehensive technical support services to specifiers, end users and contractors, and is able to offer onsite technical assistance.

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#### Recommended dosages

0.6 to 1.4 % of cementitious material. Dosage will vary according to concrete property requirement and mix design. Dosage other than recommended dosages is not uncommon. Lab and site trials are necessary to ascertain the optimum dosages for particular application.

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#### Compatibility

**WinFlow PR 31WME** is compatible with other WME admixtures. All admixtures should be added to the concrete mix separately and must not be mixed together prior to addition. The resultant properties of the concrete containing more than one admixture should be assessed by trial mixes. **WinFlow PR 31WME** is suitable for use with all types of portland cement and cement replacement materials such as PFA, GGBS and micro silica.



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## Effects of over dosages

Over dosages, may result in increase in workability, set retardation and increase in air content. The ultimate strength of the concrete will not be impaired by increased retardation, provided that adequate curing is maintained.

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## Curing

Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage, using WME curing compounds.

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## Packaging

**WinFlow PR 31WME** is available in 200 Litre drum or bulk supply.

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## Storage and shelf life

**WinFlow PR 31WME** can be kept 12 months from date of manufacture if stored in well protected area away from sunlight, at ambient temperature in dry conditions.

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## Health and safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety-related data.

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## Legal note

The information, and, in particular, the recommendations relating to the application and end-use of WME products, are given in good faith based on WME 's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with WME's recommendations. In practice, the differences in materials, substrates and actual site condition are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Users must always refer to the most recent issue of the product data sheet for the product concerned, copies of which will be supplied on request.

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In Association with Kirton Concrete Services UK

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