



Window Into Construction

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WinFlow™ SP 620WME

Superplasticizer for precast elements, blocks, pavers and hollow core slabs

Product description

WinFlow SP 620WME is high range water reducing concrete admixture for precast industry and manufactured concrete products, where high workability and early strength are important.

Application

- Precast concrete
 - Concrete blocks and tiles
 - Hollow core slabs,
 - Blocks and pavers.
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Features/ benefits

- Produces low water content and low water/cement ratio concrete – Higher compressive strength and better durability.
 - Early strength development - Reduces de- molding time, reduces labor cost.
 - Improved surface finish
 - Chloride free – suitable for reinforced and pre -stressed concrete.
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Standards Compliance

Complies with ASTM C-494 Type F and EN 934 -1 :2008

Typical properties

Appearance	: Dark Brown liquid
Specific gravity @ 25 ⁰ C	: 1.220 ± 0.03
pH	: 9.27 ± 1
Chloride content	: Chloride free

Technical support

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

Recommended Dosages

0.5 - 3.0 liter/ 100kg of cementitious materials. 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. 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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Compatibility

WinFlow SP 620WME is compatible with other W.M.E 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 SP 620WME** is suitable for use with all types of portland cement and cement replacement materials such as PFA, GGBS and micro silica.

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.

Curing

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

Packaging

WinFlow SP 620WME is available in 200 Litre drum or bulk supply.

Storage and shelf life

WinFlow SP 620WME can be kept 12 months from date of manufacture if stored in well protected area away from sunlight, at ambient temperature in dry conditions.

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 date.

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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