

Sikament® Boost Pak

High Range Water Reducing/Superplasticising Concrete Admixture

Product Description	Sikament® Boost Pak is a powdered admixture for concrete which is used as a high range water reducer or superplasticiser. Sikament® Boost Pak is packaged in water soluble bags to enable ease of addition on site. It meets the requirements of BS EN 934-2
Uses	<ul style="list-style-type: none"> ■ Sikament® Boost Pak is a unique product that is suitable for the production of ready mixed concrete ■ Plant addition ■ Site addition ■ Reduce returns of non-conforming concrete ■ Eliminate non-controlled water addition on site
Characteristics / Advantages	<p>As a High Range Water Reducer: -</p> <ul style="list-style-type: none"> ■ High range water reductions resulting in higher strengths and densities ■ Improved cohesion properties ■ Improved early and ultimate strengths ■ Improved rheology ■ Improved durability ■ Reduced segregation and bleeding <p>As a Superplasticiser: -</p> <ul style="list-style-type: none"> ■ Increase consistence class without affecting w/c ratio ■ Flexible addition rate ■ Easily dispensed
Tests	
Approval / Standards	Conforms to the requirements of BS EN 934-2 Tables 3.1 & 3.2 DoP 02 13 02 01 100 0 000559 1053, certified by Factory Production Control Body 0099, Certificate CPR/A45/0001, and provided with the CE mark

Construction



Product Data

Form

Appearance / Colours White Powder

Packaging 24 x 0.700kg water soluble bags (box)

Storage Conditions / Shelf Life 12 months from date of production if stored properly in undamaged containers, in dry conditions at temperatures between +5°C and +25°C.
Protect from direct sunlight and frost.

Technical Data

Chemical Base Sulphonated Melamine Formaldehyde Condensate

Density 0.76 kg/l (at +20°C) (loose)

Total Chloride Ion Content <0.10% w/w (chloride free)

Air Entrainment Negligible , normally a minimal increase

Effect on Setting/Consistence Retention Reduction to normal setting and consistence retention

Effect of Overdosing Increased workability and segregation

Alkali Content < 16.0%

Mechanical / Physical Properties

Compressive Strength Typical Data as Superplasticiser

Admixture	Dose	w/c ratio	Slump (mm)	24 hour compressive strength N/mm ²	28 day compressive strength N/mm ²
Sikament [®] Boost Pak (350 kg/m ³ cc)	1 bag	0.50	150	14.5	63.0

System Information

Application Details

- Consumption / Dosage**
- 1 bag per m³
 - Sikament[®] Boost Pak may be dosed per load should smaller consistence enhancements be required

Application Conditions / Limitations

Compatibility

Sika[®] Admixtures:

- All Sika admixtures can be considered
- Trial mixes should always be carried out to determine performance in-situ

Cements:

- All cements including replacements

Application Instructions

Dispensing	<ul style="list-style-type: none">■ Sikament® Boost Pak should be dispensed by hand.■ Concrete should be remixed after addition for at least 1 min per m³
Application Method / Tools	<ul style="list-style-type: none">■ The standard rules of good concreting practice, concerning production as well as placing, are to be followed. Refer to relevant standards. Fresh concrete must be cured properly.■ Sikament® Boost Pak should not be added to dry cement■ Sikament® Boost Pak should be to mixed concrete
Cleaning of Tools	<ul style="list-style-type: none">■ Clean all tools and application equipment immediately after use. Hardened / cured material can only be mechanically removed.
Notes on Application / Limitations	<ul style="list-style-type: none">■ When using Sikament® Boost Pak a suitable mix design is required and local material sources should be evaluated.■ Support from our Technical Department is recommended
Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
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.
Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions 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. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.
CE Labelling	EN 934-2:2009 is a candidate "harmonized" European Standard and fully takes into account the requirements of the European Commission mandate M128. Products related to concrete, mortar and grout, given under the EU Construction Products Directive (89/106/EEC) and intended to lead to CE marking. CE-labelled as per Annex ZA.3, table ZA.2 conformity 2+ and fulfil the requirements of the given mandate of the EU Construction Products Directive (89/106/CE).



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