

Product Data Sheet
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Identification no:
01 13 02 01 100 0 000865
Sikament® 2002 NS

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Superplasticizing admixture

Construction

Product Description	Sikament® 2002 NS Imparts high workability and allows a large decrease in water content
Uses	<p>Sikament® 2002 NS a superplasticizer for free flowing concrete in floor, slabs, foundations, slender components with dense reinforcement, walls, columns, pavements and other structural and non structural elements.</p> <p>Specially recommended for the following types of concrete:</p> <ul style="list-style-type: none">■ High performance concrete■ Ready mix concrete■ Pre cast concrete■ Pre stressed concrete■ Site batched concrete
Characteristics / Advantages	<p>Sikament® 2002 NS produces a more uniformly cohesive high quality free flowing concrete. It has following advantages :</p> <ul style="list-style-type: none">■ High water reduction.■ Higher strength and density■ Improved consistence retention■ Improved durability■ Improved water tightness■ Improved surface finish■ Improved cohesion properties■ Suitable for hot weather conditions
Tests	
Approval / Standard	IS 9103-1999, ASTM C494
Product Data	
Form	
Appearance / Colour	Dark Brown Liquid
Packaging	250 kg/ Bulk supply
Storage	
Storage Conditions / Shelf -Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

The Sika logo consists of the word "Sika" in a stylized, bold, yellow font with a red outline, set against a red triangular background.

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Technical Data

Chemical Base	Modified Naphthalene Formaldehyde Sulphonate
Relative Density	~1.17 kg/l at 25°C
pH Value	≥ 6

System Information**Application Details**

Consumption / Dosage	0.5% to 2.0% by weight of cement .Higher dosage may be used if agreed by engineer and consultant Actual dosage to be finalised on the basis of site trials. Stir well before use.
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Application Conditions/Limitations

Compatibility	Sikament® 2002 NS may be combined with many other Sika® products. Important: Always conduct trials before combining products in specific mixes and combinations. Compatible with all types of cement and cementitious material
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Application Instructions

Dispensing	Sikament® 2002 NS can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of Sikament® 2002 NS to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.
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Application method/ Tools	By use of Sikament® 2002 NS concrete of highest quality can be produced. The standard rules of good concreting practice, concerning production, placing and testing are to be followed. Fresh concrete must be cured as per the relevant standard.
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Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.
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Notes on application / Limitations	Excessive water addition or overdosing may cause bleeding or segregation. Overdosing may cause extension of initial and final setting times. If frozen and / or if precipitation has occurred, Sikament® 2002 NS may be used after thawing slowly at room temperature and after intensive mixing.
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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.
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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 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.
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