

**Product Data Sheet**  
Edition :22/3/2024  
Identification no:  
01 13 02 01 100 0 000  
SikaPlast® 600 NS

# SikaPlast® 600 NS

## Superplasticizing admixture

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<b>Product Description</b>	SikaPlast® 600 NS Imparts good workability and allows a large decrease in water content
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<b>Uses</b>	SikaPlast® 600 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. Specially recommended for the following types of concrete: <ul style="list-style-type: none"><li>■ High performance concrete</li><li>■ Ready mix concrete</li><li>■ Site batched concrete</li></ul>
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<b>Characteristics / Advantages</b>	SikaPlast® 600 NS produces a more uniformly cohesive high quality free flowing concrete. It has following advantages: <ul style="list-style-type: none"><li>■ High water reduction.</li><li>■ Higher strength and density</li><li>■ Improved consistence retention</li><li>■ Improved durability</li><li>■ Improved water tightness</li><li>■ Improved surface finish</li><li>■ Improved cohesion properties</li><li>■ Suitable for hot weather conditions</li></ul>
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### Tests

<b>Approval / Standard</b>	IS 9103, ASTM C494
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### Product Data

#### Form

<b>Appearance / Colour</b>	Dark Brown Liquid
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<b>Packaging</b>	255 kg/ Bulk supply
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#### Storage

<b>Storage Conditions / Shelf -Life</b>	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.
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Construction



SikaPlast® 600 NS

## Technical Data

<b>Chemical Base</b>	Polycarboxylate Ether
<b>Relative Density</b>	~1.08 kg/l at 25°C
<b>pH Value</b>	≥ 6

## System Information

### Application Details

<b>Consumption / Dosage</b>	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

<b>Compatibility</b>	SikaPlast® 600 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

<b>Dispensing</b>	SikaPlast® 600 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 SikaPlast® 600 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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<b>Application method/ Tools</b>	By use of SikaPlast® 600 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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<b>Cleaning of Tools</b>	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.
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<b>Notes on application / Limitations</b>	When using SikaPlast® 600 NS a suitable mix design has to be taken into account and local material sources shall be trialled. SikaPlast® 600 NS shall not be added to dry cement.  Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.
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<b>Value Base</b>	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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<b>Health and Safety Information</b>	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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<b>Legal Notes</b>	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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