

PRODUCT DATA SHEET

SikaFume®-15 NT Liquid

NANOSILICA IN AQUEOUS SUSPENSION

DESCRIPTION

SikaFume®-15 NT Liquid is a liquid additive for concrete based on an amorphous silica dioxide pure nanoparticles emulsion.

SikaFume®-15 NT Liquid allows controlling concrete bleeding and segregation, improving watertightness, improving the strength, durability and improving concrete surface.

Free of chloride and any other harmful substance for the concrete.

USES

- High strength concrete
- Self Compacting Concrete (SCC)
- High quality requirements concrete
- Injection grouting and mortars

FEATURES

Using SikaFume®-15 NT Liquid with Viscocrete super-plastizicer range, the concrete get the following properties:

- Improved cohesiveness and stability of green concrete
- Durability greatly increased
- Water permeability of concrete greatly reduced
- Very high early and ultimate strengths
- Permeability to gases greatly decreased
- Greatly improved resistance to carbonation
- Improve sulfate resistance
- Infiltration of chloride greatly reduced

PRODUCT INFORMATION

Packaging	200 L drum 1 000 L Bulk delivery
Appearance and colour	Liquid / Milky White
Shelf life	12 months if stored according to recommended conditions.
Storage conditions	Storage in a dry condition, protected against freeze, and stored out of direct sunlight or bright light in temperature between +10 °C and +35 °C in a shaded place.
Density	~1.25 kg/L (at +20 °C)

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice, concerning production and placing are to be allowed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly, and curing applied as early as possible.
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APPLICATION INFORMATION

Recommended dosage

2 – 6 % by the weight of cement.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

DISPENSING

Dosage usually between 2 % and 6 %. In order to get the best results, use it with Viscocrete. Different dosages can be used but have to be tested. Pre trials with site materials are recommended to establish optimum dosage rate.

Put it in the mixer at the same time with water. It is recommended to clean pumps and dispensers after use.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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