

PRODUCT DATA SHEET

Sika® Lightcrete

Liquid foaming agent for flowable fills.

DESCRIPTION

Liquid admixture that acts as a foaming agent to make lightweight concrete and fluid fill with density between 1.2 and 1.8 ton / m³ depending on the dosage used and type of aggregates used.

USES

For uses in flowable fill:

- For mortars of leveling or refining of low weight floors, prior to the placement of the final finish.
- Filling of ditches and excavations without requiring compaction equipment or fluid fillings of density and controlled resistance.
- Filling of pipes and storage tanks buried in disuse.
- As support layers of low traffic and sports areas on soils with low bearing capacity.

FEATURES

Concrete or mortar for structural purposes

- Elaboration of low weight precast elements.
- Low weight structures cast in situ in order to carry out extensions to buildings.
- Coating of steel structures.
- Very easy dosage given its liquid condition and because it does not require equipment additional for foam generation.
- Low density, depending on the dosage used.
- Great stability of the foam.
- Inclusion of air of up to 40% of the volume of the concrete.
- Ease of placement and transportation on site given its low weight.
- Less pressure on the molds.
- As a consequence of the high percentage of air included, it offers an important thermal and acoustic insulation.
- Strength compression as a function of its density, which can be increased with the use of Sikament® super-plasticizing admixtures.

PRODUCT INFORMATION

Packaging	Available in bulk delivery and 200 liters drum.
Appearance and colour	Translucent amber liquid.
Shelf life	Shelf life when stored in dry conditions is 12 months from the date of manufacture.
Storage conditions	SikaLightcrete® should be stored in its original tightly closed container, indoors, in a cool and dry place.
Density	1.01 ± 0.03 kg/l approx.
Concreting guidance	Add SikaLightcrete® together with the mixing water during the preparation of the concrete or mortar. Shake vigorously in the mixer truck or plant for 10 minutes making sure to obtain a homogeneous mixture. Before the concrete is unloaded and cast, compliance with the expected density must be verified.
Specific advice	The optimum dose should be determined by testing the materials and conditions of the work. The manufacture of lightened concrete or mortar requires compliance with certain indications: ▪ Comprehensive control over the amount of air incorporated in concrete for structural purposes. ▪ Sikament® super-plasticizing additives can be used for the purpose of reducing water and increasing resistances. ▪ The content of air incorporated depends on the ambient temperature and the aggregates, speed and time of mixing, fineness of the aggregates (particles smaller than 0.125 mm), fineness and quantity of cement and presence of light aggregates.

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

For any information related to safety issues in the use, handling, storage of this product and waste disposal, users should consult the most up-to-date version of the product Safety Data Sheet, which contains physical, ecological, toxicological data and other issues. security related; copies of which will be sent to whoever requests them, or through the page "www.sika.com.mx".

LOCAL RESTRICTIONS

Please note that because of specific local regulations, the declared data and recommended uses for this product may vary from country to country. Refer to the local product data sheet for exact product data and uses.

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This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based

on Sika's current knowledge and experience of the products when properly stored, handled and applied, in normal situations, within its lifetime and in accordance with Sika's recommendations. In practice, the possible differences in the materials, supports and actual conditions in the place of application are such, which cannot be inferred from the information of this document, nor from any other written recommendation, nor from any advice offered, no guarantee in terms of marketing or suitability for particular purposes, or any obligation outside any legal relationship that may exist. The user must test the suitability of the products for the desired application and purpose. Sika reserves the right to modify the properties of its products. property rights of third parties are reserved. Orders are accepted in accordance with the terms of our current General Conditions of Sale and Supply. Users must know and use the latest and updated version of the Product Data Sheets, copies of which will be sent to whoever requests them, or through the page www.sika.com.mx. Ensure the handling of loads according to NOM-036-1-STPS-2018.

SikaLightcrete-en-NG-(08-2026)-2-1.pdf

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August 2026, Version 02.01

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