

PRODUCT DATA SHEET

Sika® Lightcrete-400

Foaming agent for low-emission lightweight porous concrete

DESCRIPTION

Sika® Lightcrete-400 is a universally utilisable foaming agent for the production of lightweight porous concrete.

USES

Sika® Lightcrete-400 is particularly suitable for lightweight porous concrete:

- Preferably with raw density of 500 - 1500 kg/m³
- As thermal insulation
- As a compensation / insulation layer in structural construction and civil engineering
- As a light, flowable filling mix e.g. for excavations, old sewers, formwork blocks, etc.
- For utilisation in recreational rooms

FEATURES

With Sika® Foam devices SG 70 or SG S9 P, Sika® Lightcrete-400, water and air generate a stable foam. This foam is then mixed into the output concrete in the concrete mixer.

The resulting air pore content in the mortar cause:

- Low emission lightweight porous concrete
- An easily workable, flowable consistency
- Pumping capability due to stable air pores
- A targeted bulk density setting and strength setting
- An improved thermal insulation

CERTIFICATES AND TEST REPORTS

Emission testing according to AgBB

Emission testing according to M1

PRODUCT INFORMATION

Composition	Organic surfactant
Packaging	Drum: 200 kg Replacement container: 1000 kg
Appearance and colour	Fluid / colourless - light yellow
Shelf life	Minimum of 1 year shelf life in sealed containers. Mix before using after longer storage times.
Storage conditions	Protect against frost, strong sunlight and contamination. Utilise clean tanks and containers when delivered in bulk.
Density	ca. 1.07 g/cm ³ at +20°C
pH-Value	ca. 6 at +20°C

APPLICATION INFORMATION

Recommended dosage	150 - 230 g/100 litres of foam
Dispensing	The dosage of the Sika® Lightcrete-400, as well as the foam production and the addition of foam is executed via the Sika® Foam devices SG 70 and/or

PRODUCT DATA SHEET

Sika® Lightcrete-400

October 2024, Version 01.01

02140404100000020

SG S9 P. The consumption of the foaming agent is approximately 150-230 g/100 litres of foam per device model. The required quantity of foam depends on the desired lightweight porous concrete bulk density. A uniform output consistency as well as sufficient mixing time must be taken into account when producing lightweight porous concrete. When pumping lightweight porous concrete with low bulk density, it is advisable to implement Sika® Stabilizer ST 3 in order to avoid possible pore destruction. Impurities such as e.g. oils, release agents, mixer protection or aluminium particles can cause an uncontrolled change the air pores salary.

BASIS OF PRODUCT DATA

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.

FURTHER DOCUMENTATION

A suitability test is required before utilisation.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S
Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



PRODUCT DATA SHEET
Sika® Lightcrete-400
October 2024, Version 01.01
021404041000000020

SikaLightcrete-400-en-DK-(10-2024)-1-1.pdf

