



TECHNICAL DATA SHEET

08.2010

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1. Product Specification

Trade Name: **LithoFoam ST 100-L**

Product Description: **LithoFoam ST 100-L** is an alkali and silicon oil resistant foam-forming agent based on highly-active, foam-forming proteins with a molar mass of ca. 20,000 to 120,000 Dalton. Proteins are polymers existing in a natural state, which, as a rule, are composed of 20 different amino acid monomers. The specially developed manufacturing process for foam stabilisation guarantees optimum foam-forming characteristics and foam stability as well as unusually constant properties of the product.

LithoFoam ST 100-L has been specially developed for the manufacturing of non-flammable, hydrophobe, ecological foamed concrete-elements with a low density for the building industry and is therefore characterised, above all, by its outstanding silicon oil stability also at high pH-Values. The pH-value of the foam-forming agent itself is designed to be mildly alkaline to neutral so that the product may also be utilised for the manufacture of inorganic foams with neutral binding agents, such as plaster.

2. Physical Data

Composition:	light brown liquid
Density:	1.00 – 1.10 g/ml
pH-Value:	6.5-7.5
Electrolytical Conductivity:	10-15 mS/cm

3. Active Agents Content

Average value	15%
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4. Special Properties

LithoFoam ST 100-L is silicon stable

LithoFoam ST 100-L is not frost-resistant. In case of cold temperature less than 10 °C the viscosity of the product will increase. Freezing and defreezing of the product doesn't influence the product quality if stired correctly before every use. The product, properly stored at room temperature less than 25°C, has a storage life of at least 1 year. Before using **LithoFoam ST 100-L** it is recommended to stir the product. Dilutions of the product are not stable and have to be used within 6 hours.

5. General Information

LithoFoam ST 100-L foaming agent is designed to manufacturer **LithoPore™** foamed concrete according to the standards and complete systems of Dr. Lucà and Partner especially for block and panel construction, floor and roof insulation, cast in situ wall filling as well as other foamed concrete applications. For details please requested our overall brochures.

The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.



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