

TECHNICAL DATA SHEET

Product: LithoFoam® NWF S

Version: 08.2022

1. Produkt Specification

Trade name: *LithoFoam® NWF S*

Produkt description:

LithoFoam® NWF S is solely developed for the joint use of LithoFoam® protein based foaming agents for the manufacturing of LithoPore® foamed concrete. *LithoFoam® NWF S* is curing the LithoFoam® proteins and forming a strong interlink between the protein molecules through metal ions. As a result the compressive strength of the manufactured foamed concrete LithoPore® can be increased on average by 30 %. For this reason LithoFoam® NWF S is especially suitable for the cast in situ application of foamed concrete. Alternatively the cement quantity can be reduced by 30 % on average to save costs without reducing the compressive strength.

2. Physical Data

Composition:	light red liquid
Density:	1.20 – 1.35 g/ml
pH-Value (original):	2.25-3.25
pH-Value (10 g/l):	3.50-4.50
pH-Value (1 g/l):	4.80-5.80
Electrolytical conductivity (original):	31.0-34.0 mS/cm
Electrolytical conductivity (10 g/l):	1.90-2.30 mS/cm
Electrolytical conductivity (1 g/l):	0.80-0.95 mS/cm

3. Active Agents Content

Average Value	5-10%
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4. Special Properties

LithoFoam® NWF S is frost-resistant. Nevertheless, a storage temperature above 5°C is recommended. The product is at least 1 year stable if storage at about 25°C.

5. Application

LithoFoam® NWF S has to be dosage always in relation to the cement quantity.

Dosing range: 1.50-3.00 % per cement

Recommended dosing for aerated concrete densities below 400 kg/m³:
5 kg per m³ aerated concrete.



The optimum effect and dosing depends on the cement quality and shall be tested out by the end user. If necessary, an optimization by the manufacturer can be carried.

LithoFoam® NWF S is recommended to be used for cast in situ wall fillings. The product is stabilizing the foamed concrete up to a wall height of 3 meters and is avoiding any sedimentation.

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.