



TECHNICAL DATA SHEET

Product: LithoFoam® NWF S

Version:02/2016

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):	5.25-6.65
Electrolytical conductivity (original):	27.0-31.0 mS/cm
Electrolytical conductivity (10 g/l):	1.90-2.30 mS/cm
Electrolytical conductivity (1 g/l):	0.60-0.90 mS/cm

3. Active Agents Content

Average Value	5-8 %
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4. Special Properties

LithoFoam® NWF S is frost-resistant. Nevertheless, a storage temperature above 5°C is recommended.

5. Application

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

Dosing range: 1.50-2.50 % per cement

Recommended dosing: 2.00 % per cement

The optimum effect and dosing depends on the cement quality and shall be tested out by the end user.

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.



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