

## TECHNICAL DATA SHEET

Product: LithoFoam® NWF NT

Version: 06/2018

### 1. Produkt Specification

Trade name: *LithoFoam® NWF NT*

#### Produkt description:

*LithoFoam® NWF NT* is solely developed for the joint use of LithoFoam® protein based foaming agents for the manufacturing of LithoPore® foamed concrete. LithoFoam® NWF NT 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 NT 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:                            | beige turbid liquid |
| Density:                                | 1.10 – 1.40 g/ml    |
| pH-Value (original):                    | 7.35-7.75           |
| pH-Value (10 g/l):                      | 7.45-7.75           |
| pH-Value (1 g/l):                       | 7.45-7.75           |
| Electrolytical conductivity (original): | 0.65-0.80 mS/cm     |
| Electrolytical conductivity (10 g/l):   | 0.70-0.90 mS/cm     |
| Electrolytical conductivity (1 g/l):    | 0.70-0.90 mS/cm     |

### 3. Active Agents Content

|               |      |
|---------------|------|
| Average Value | 33 % |
|---------------|------|

### 4. Special Properties

*LithoFoam® NWF NT* is frost-resistant. Nevertheless, a storage temperature above 5°C is recommended. The product is stored at room temperature of less than 25 °C, 1 year storable. It is recommended to stir the product before use.

### 5. Application

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

Dosing range: 15-20 % per cement

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

*LithoFoam® NWF NT* 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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*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.*

