# TECHNICAL DATA SHEET

**Product:** LithoFoam® NWF NT  
**Version:** 02/2016

## 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:** light red liquid  
**Density:** 1.10 – 1.40 g/ml  
**pH-Value (original):** 7.15-7.35  
**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.

## 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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