

# Technical Data Sheet - USLPore® NWF S

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## Product specification

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**Trade name: USLPore® NWF S**

Product description:

**USLPore® NWF S** is solely developed for the joint use of USLPore® protein based foaming agents for the manufacturing of USLPore® foamed concrete. USLPore® NWF S is curing the USLPore® proteins and forming a strong interlink between the protein molecules through metal ions. As a result the compressive strength of the manufactured foamed concrete USLPore® can be increased on average by 30 %. For this reason USLPore® 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.

## Physical Data

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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

## Active Agents Content

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Average Value	5-10%
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## Special Properties

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*USLPore® 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.

## Application

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*USLPore® 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/m<sup>3</sup>:**  
5 kg per m<sup>3</sup> aerated concrete.

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