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## Product Data Sheet

# Plasticizer NK-3

air entraining admixture

### Application

Admixture for production of vibro-compacted and ready-mix concretes.

### Advantages

Characteristic of pore distribution:  $L=0.08\text{mm}$   
Produces air entrainment from 2-4 %.  
Increases concrete plasticity at constant w/c ratio.  
Reduces mix water requirements at constant consistency from 5-12%.

### Chemical base

Surface-acting agents.

### Physical form

Blue coloured liquid.

### Density

$1010 \pm 20$  [kg/m<sup>3</sup>]

### Dosage

Dosage is dependant on required concrete mix design. Recommended dosage rates range from 0,2-0.4% of the weight of cement used in concrete mix.

### Preparing concrete mix

Prior to using Plasticizer NK-3, it is necessary to perform an adequate site test in the concrete mix design. Use of multiple admixtures requires practical testing of their compatibility or obtaining adequate information from the admixture manufacturer.

Add with water while preparing a concrete mix.

Adding the admixture to dry components is not allowed.

Concrete mix preparation should be monitored in a continuous manner so that all factors affecting concrete quality will be maintained (mix composition, ambient temperature, concrete mix temperature, mixing time and method).

### Transport

Plasticizer NK-3 is safe with respect to handling and storage, and does not fall into ADR limitations.

Covered means of transport are recommended.

### Quality control

The admixture production is subject of strict quality control according to ISO 9001:2009 and Plant Production Control CE meeting all requirements of the PN-EN 934-2:2002 standard.

### Certificates and Approvals

Certificate ZKP - CE No 1488-CPD-0008  
Hygienic Certificate PZH – HK/B/1278/04/2008

### Storage

Store in roofed areas, in tightly closed PE or steel containers at temperatures from 5-40°C.  
Relocate the product after extended period of storage.  
Shelf life is 12 months.

### Packaging

Plastic barrels: 120 kg  
Containers: 1000 kg

### Work Health and Safety conditions

Follow generally accepted Work Health and Safety rules. Avoid contact with eyes, mucous membrane and skin.

### Environmental

The product is practically harmless. As far as possible, stop the leak (e.g., by sealing a damaged container, placing in an emergency container). Contain the spread of liquid by embanking the spill area. Cover the spilled liquid with absorbent material (e.g., earth, sand) and remove into waste containers, and dispose according to the applicable regulations. Flush the contaminated surface with water, allowing it to flow into the drainage system – the product is biodegradable.

### Classification

Product is not classified as a dangerous

## LEGAL NOTICE

Directions contained in this Product Data Sheet concerns the technical product only and may not be used after it has been processed.

The above information is based on current knowledge, and it describes the product in respect of health and environmental requirements and safety rules. However, it may not be interpreted as a guarantee of specific properties of the product.

The data contained in this Product Data Sheet as well as any spoken advice or information may not be a basis for manufacturer's unconditional liability unless confirmed in writing.