

# PRODUCT DATA SHEET

## Sikament® NN PK

High Range Water Reducing / Superplasticizing and Slump Retaining Concrete Admixture

### DESCRIPTION

Sikament® NN PK is a highly effective dual action liquid superplasticiser for the production of high slump concrete or as a substantial water reducing agent.

### USES

- Slabs and foundations
- Walls, columns and piers
- Slender components with densely packed reinforcements
- Sprayed concrete
- Textured surface finishes
- Pre-cast and pre-stressed concrete elements
- Bridges and cantilever structures

### CHARACTERISTICS / ADVANTAGES

- Improved workability
- Improves concrete placement
- Especially suitable for slender components with congested reinforcement
- $\geq 20$  % Water Reduction
- Improved compacting behaviour
- Improves cohesion of the concrete mix which significantly reduces the risk of segregation

### APPROVALS / STANDARDS

Sikament® NN PK follows the requirements of ASTM C494; Type F.

### PRODUCT INFORMATION

Chemical Base	Organic polymer blend
Packaging	05 ltr jerry can 20 ltr plastic can 200 ltr drum 1000 ltr IBC Bulk supply in tanker is possible on demand
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.
Storage Conditions	Store in a dry area between 5°C and 35°C. Protect from direct sunlight.
Appearance / Colour	Brown liquid
Specific gravity	~ 1.18 at 25°C
Solid content by weight	~ 38 %
pH-Value	~ 5-8 at 25°C
Total Chloride Ion Content	Nil

### APPLICATION INFORMATION

<b>Recommended Dosage</b>	0.8 – 3 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
<b>Dispensing</b>	Sikament® NN PK must be measured using suitable equipment then added to the batching gauging water or both added together at the same time into the batching plant concrete mixer. To achieve the optimum performance, a wet mixing time at the batching plant of at least 60 seconds is recommended (dependant on mixing conditions and mixer performance). To avoid excess water in the concrete, the final dosage must begin after 2/3 of the wet mixing time.
<b>Compatibility</b>	Sikament® NN PK may be combined with many other Sika products. Trials must always be carried out before combining products in specific mixes. Contact Sika Technical Services for additional information and any specific combinations.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

### CLEANING OF TOOLS

Clean all equipment and tools with water immediately after use.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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