

PRODUCT DATA SHEET

Sika® Plastocrete® N

Waterproofing Concrete Admixture

DESCRIPTION

Sika® Plastocrete® N is a concrete admixture in liquid form that acts both as a highly water reducing and waterproofing agent.

USES

Sika® Plastocrete® N is recommended for use in structural and mass concrete, particularly water retaining structures such as:

- Reservoirs and dams
- Sewage works
- Canals
- Culvert tunnels

CHARACTERISTICS / ADVANTAGES

- Improved workability without increased water content
- Allows easier compaction leading to denser concrete and superior surface finish
- Increased strength and durability
- Reduced shrinkage
- Improved water tightness
- Chloride free – does not attack reinforcement

APPROVALS / STANDARDS

Comply with BS EN 934

PRODUCT INFORMATION

Chemical Base	Modified Lignosulphonate
Packaging	200 litre drum, 1000 litre tank, or bulk supply on demand
Appearance / Colour	Dark brown liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Specific gravity	1.18 ± 0.03 kg/litre

APPLICATION INFORMATION

Recommended Dosage	0.1% – 0.9% by weight of total cementitious content. It is advisable to carry out trial mixes to establish the exact dosage rate required.
Compatibility	Sika® Plastocrete® N is compatible with all types of Portland cement including S.R.C. Sika® Plastocrete® N is compatible in concrete with all Sika's admixture types currently available but must be added separately to mix and not pre-mixed prior to addition.

Dispensing

Sika® Plastocrete® N should be dispensed directly into the mixing water prior to its addition of other concrete components such as coarse aggregate, sand and cement. Where overdosing accidentally occurs, apart from retardation of the initial set, no detrimental effect will take place. Preliminary trials are recommended if Sika® Plastocrete® N is dispensed together with other admixtures.

Effects of overdosing and underdosing:

Significant overdosage will result in increased workability and setting time of the concrete. However, provided the concrete is cured effectively, ultimate strength, waterproofing and properties will not be affected. Underdosing will result in reduced workability (more difficult placing) and shorter setting times (reduced workable life). Other than these effects, the concrete strength, waterproofing properties will not be affected.

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

MAINTENANCE

CLEANING

Clean all tools and application equipment with water immediately after use. Hardener and/or cured material can only be removed mechanically.

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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