

PRODUCT DATA SHEET

Sika® Plastocrete® N (TH)

Waterproofing Admixture for Concrete



TIS 733-2530

DESCRIPTION

Sika® Plastocrete® N (TH) is a liquid admixture for concrete that acts as a highly efficient plasticizer both water reducing and waterproofing effect on among cement grains.

USES

Sika® Plastocrete® N (TH) is recommended for use in waterproofing of masonry and concrete structures such as:

- Reservoirs and dams
- Sewerage works
- Canals
- Culverts, tunnels
- Water tanks, swimming pools and wherever waterproof concrete is required

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / CERTIFICATES

Complies with ASTM C 494 Type A
Complies with TIS 733-2530

PRODUCT INFORMATION

Composition	Modified Lignosulphonate
Packaging	200 L/drum 1,000 L/tote or bulk
Appearance / Colour	Brown Liquid
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between+ 5°C and +40°C.
Density	1.155-1.195 kg/L (at temperature 25°C)
pH-Value	6.50 - 8.50 approx.
Conventional dry material content	33.5-36.5%
Total chloride ion content	≤ 0.2%

APPLICATION INFORMATION

Recommended dosage	200 - 800 CC. per 100 kg. of cement weight. Sika® Plastocrete® N (TH) is compatible with all types of Portland Cement, including S.R.C type and Hydraulic Cement.
Dispensing	Sika® Plastocrete® N (TH) should be dispensed directly into the mixing water, prior to its addition to the aggregates. Accurate dispensing equipment is available on request. Where overdosing accidentally occurs, apart from retardation of the initial set, no detrimental effect will take place.

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.

IMPORTANT CONSIDERATIONS

Accidental overdosing of Sika® Plastocrete® N (TH) causes an extension of the initial setting time, however, no excessive amount of additional air will be entrained. In the case of overdosing do not disturb the concrete. Ensure the concrete is properly cured.

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.

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.

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