

Product Data Sheet

Plastocrete®-N Waterproofing Concrete Admixture



Description A concrete admixture in liquid form that acts both as a highly efficient plasticiser and waterproofing agent.
It complies with ASTM C 494 - 81 type A.

Uses 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

and whenever waterproof concrete is required.

Advantages Plastocrete-N provides the following properties:

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

Technical Data

	<i>Liquid</i>	<i>Powder</i>
Type	Modified Lignosulphonate	Modified Lignosulphonate
Colour	Brown liquid	Brown powder
Density (20°C)	1.1 kg/l	–
Bulk density	–	0.9 kg /l
pH-Value (20°C)	9.0	-
Storage	Store free from frost.	Store in dry conditions.
Shelf life	18 months from date of production if stored properly in original unopened packing.	
Packaging	200 kg drums	25 kg bags

Application

Dosage	0.5% by weight of cement. Plastocrete-N is compatible with all types of Portland Cement including S.R.C.
Dispensing	Plastocrete-N Liquid should be dispensed into the mixing water, prior to its addition to the aggregates. Plastocrete-N Powder is added directly to the dry mixed aggregates. Where overdosing accidentally occurs, apart from retardation of the initial set no detrimental effect will take place.

Safety Instructions

Safety precautions	Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay.
Ecology	Do not dispose of into water or soil but according to local regulations.
Toxicity	Non-toxic under the relevant Swiss Health and Safety Codes.
Transport	Non-hazardous.

In case of doubt, always follow the directions given on the pack or label.

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



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