

Plastiment® 2001 NS

Water reducing cum integral water proofing admixture

Construction

Product Description	A liquid mid-range water-reducing cum water proofing concrete admixture with a powerful plasticizing effect. Also a substantial water reduction can be achieved to promote high ultimate strengths at the high dosage range
Uses	Plastiment® 2001 NS can be used for high quality concrete in difficult conditions such as: High temperature; long haul; ready mix concrete and wherever high quality dense concrete is required.
Characteristics / Advantages	Plastiment® 2001 NS provides the following beneficial properties : <ul style="list-style-type: none">■ Long-lasting control of slump loss■ Very good for ready mix concrete plants where long haulage is there■ Improved workability without increasing water■ Reduced water without loss of workability■ Improved water tightness/water proofing■ Increased ultimate strength■ Improved surface finish■ Chloride-free■ Does not attack re-inforcement
Test	
Approval Standard	IS 9103-1999, IS 2645
Product Data	
Form	
Appearance / Colour	Dark Brown liquid
Packaging	250 kg/ Bulk
Storage	
Storage Conditions / Shelf -Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Technical Data	
Chemical Base	Modified Ligno Sulphonate
Relative Density	~1.12 kg/l at 25°C



System Information

Application Details

Consumption / Dosage 0.5% to 2.0% by weight of cement .Higher dosage may be used if agreed by engineer and consultant
Actual dosage to be finalised on the basis of site trials. Stir well before use.

Application Conditions/Limitations

Compatibility Plastiment[®] 2001 NS may be combined with many other Sika[®] products.
Important: Always conduct trials before combining products in specific mixes and combinations. Compatible with all types of cement and cementitious material

Application Instructions

Dispensing Plastiment[®] 2001 NS can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added.
The addition of Plastiment[®] 2001 NS to dry aggregate or cement is not recommended.
To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

Application method/ Tools By use of Plastiment[®] 2001 NS concrete of highest quality can be produced.
The standard rules of good concreting practice, concerning production, placing and testing are to be followed.
Fresh concrete must be cured as per the relevant standard.

Cleaning of Tools Clean all tools and application equipment with water immediately after use.
Hardened / cured material can only be mechanically removed.

Notes on application / Limitations Excessive water addition or overdosing may cause bleeding or segregation.
If frozen and / or if precipitation has occurred, Plastiment[®] 2001 NS may be used after thawing slowly at room temperature and after intensive mixing.

Value Base 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.

Health and Safety Information 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.

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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