

PRODUCT DATA SHEET

SikaPlast®-8393 NS

Retarding superplasticizer based on PCE for Ready-Mix Concrete

DESCRIPTION

SikaPlast®-8393 NS is an economical admixture based on modified polycarboxylate ether. The product has been primarily developed for applications in ready mix and site-batched concrete. SikaPlast®-8393 NS is specially designed to allow considerable reduction of mixing water while maintaining control on extend of set retardation.

SikaPlast®-8393 NS is free of chloride & low alkali. It is compatible with all types of cements.

USES

- Ready mixed concrete
- Long-distance transporting
- Pumped concrete
- High workability without segregation or bleeding
- High performance concrete for durability
- Congested/complex reinforced sections
- Mixes requiring >20% water reductions

FEATURES

- Good dispersion even in mixes with high fines
- High workability for longer periods
- Lower pumping pressure
- Resistance to segregation even at high workability
- Extended setting with longer workability
- Reduced water content for a given workability
- Higher ultimate strengths
- Increased ease in finishing concrete

CERTIFICATES AND TEST REPORTS

Complies with ASTM C494 Type B, D & G, EN 934-2 T3.1/3.2, IS 9103

PRODUCT INFORMATION

Composition	Modified Poly-Carboxylate Ether (PCE)
Packaging	SikaPlast®-8393 NS is supplied in 230 Kg, 1000 Kg or bulk on request.
Appearance and colour	Light to dark brown liquid
Shelf life	12 months from date of production if stored properly in undamaged un-opened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost. IMPOTANT Colorent is used just to pigment the product. With time, it can be faded, but will not affect the performance of the product.
Density	~1.07 kg/l at 25°C
pH-Value	≥ 6

APPLICATION INFORMATION

Recommended dosage	Standard dosage will vary from 0.5% to 2.0% by weight of cement. Exact dosage rates are dependent on the quality of cement, aggregates, water/cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes. Higher dosage may be used if agreed by engineer and consultant. Stir well before use.
Compatibility	SikaPlast®-8393 NS may be combined with many other Sika® products. Compatible with all types of cements and cementitious materials. Important: Always conduct trials before combining products in specific mixes and combinations.
Dispensing	SikaPlast®-8393 NS is added to the gauging water or added with it into the concrete mixer. To take advantage of the high water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.

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

When using SikaPlast®-8393 NS a suitable mix design has to be taken into account and local material sources shall be trailed.

SikaPlast®-8393 NS shall not be added to dry cement. Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.

Frost:

If frozen and / or if precipitation has occurred, SikaPlast®-8393 NS may be used after thawing slowly at room temperature followed by intensive remixing.

IMPORTANT

For any confusion, please follow the latest PDS and/or consult with the local Sika representatives.

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.

Sika Bangladesh Limited

Impetus Center, 242/B, (8th Floor),
Bir Uttam Mir Shawkat Sarak,
(Tejgaon-Gulshan Link Road),
Dhaka -1208, Bangladesh.
Tel +880 1313095060, +880 1313095061
<https://bgd.sika.com/>

MAINTENANCE INSTRUCTIONS

CLEANING

Clean all tools and application equipment with water immediately after use.

LOCAL RESTRICTIONS

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

SikaPlast-8393NS-en-BD-(09-2026)-1-1.pdf

Product Data Sheet

SikaPlast®-8393 NS
September 2026, Version 01.01
021301011000265790