

PRODUCT DATA SHEET

SikaPlast® PH 8333 SKY

Modified polycarboxylate ether superplasticising admixture

DESCRIPTION

SikaPlast® PH 8333 SKY is a chloride free new generation superplasticiser for concrete containing polycarboxylate ether polymers, designed for optimal use in regular grades of concrete in ready-mix industry. The ability to work with low water cement ratio and allows for the manufacture of high quality concrete.

USES

SikaPlast® PH 8333 SKY is suitable to work with normal to low water/cement ratios. The high water reduction and non-retardation make SikaPlast® PH 8333 SKY the ideal admixture for normal grade of concrete in ready-mix application.

CHARACTERISTICS / ADVANTAGES

- High water reduction - High early and ultimate strengths. May be possible to eliminate steam curing. Low permeability, high durability concrete.
- High flowability - Ease of placing and compaction. Less vibration required even in case of steel reinforcement congestion. Less workmanship required.
- Superior workability - Improves concrete finish. Excellent surface appearance and texture.
- Low shrinkage and creep - Improved dimensional stability. Reduced risk of cracks
- Superior cohesion - Ease of pumping
- High elastic modulus - Superior load bearing capacity.
- Minimal bleed water - Improved surface quality.

APPROVALS / STANDARDS

SikaPlast® PH 8333 SKY comply with the requirements of ASTM C494 for Types A and F admixtures.

PRODUCT INFORMATION

Packaging	▪ 1000 L IBC ▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store at a temperature above 0 °C and in tightly sealed original containers. If frozen, thaw it and completely reconstitute by mild agitation. Do not use compressed air.

APPLICATION INFORMATION

Recommended Dosage	The normal dosage of SikaPlast® PH 8333 SKY is between 400 and 1500 ml per 100 kg of cementitious materials. Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.
Dispensing	SikaPlast® PH 8333 SKY is a ready-to-use that is added to the concrete at the time of batching.

The maximum effect is achieved when SikaPlast® PH 8333 SKY added after the additional of 50–70 % of water. SikaPlast® PH 8333 SKY must not be added to the dry materials. A separate dispenser and feed line must be used.

SYSTEM INFORMATION

Compatibility

SikaPlast® PH 8333 SKY is compatible with all cements meeting recognised international standards.

SikaPlast® PH 8333 SKY can be used in combination with other Sika admixtures for specific working requirements. Consult your local Sika representative for assistance.

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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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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