BUILDING TRUST

PRODUCT DATA SHEET

SikaPlast® PH 8829

(formerly MasterPolyheed® 8829)

New generation mid-range admixture with slump retention properties

DESCRIPTION

SikaPlast® PH 8829 is a chloride free new generation superplasticiser with super retention technology. It contains polycarboxylate ether polymers and is specially formulated for ready-mix concrete where slump retention, high strength and durability are required in hot climates. The excellent dispersion effect makes SikaPlast® PH 8829 the ideal admixture for the ready-mix concrete industry. The ability to work with low water / cement ratios and still obtain extended slump retention allows for the manufacture of high-quality concrete.

USES

- Concrete with less water content than with conventional admixtures
- High workability concrete with improved rheological properties
- Highly durable concrete
- Ready-mixed concrete
- Improved rheology for concrete with supplementary cementitious materials
- Mass concrete
- Long distance transport
- Pumped concrete
- Hot weather concreting
- High replacement with supplementary cementitious materials

CHARACTERISTICS / ADVANTAGES

SikaPlast® PH 8829 offers the following benefits for the concrete industry:

- Water reduction - High ultimate strength. Low permeability, high durability concrete.
- Better rheology - Ease of mixing, placing, compaction and finishing. High flowability.
- Superior slump retention - No retempering. Ease of delivery to point of placement.
- Low shrinkage and creep - Improve dimensional stability. Reduced risk of cracks.
- Good cohesion - Ease of pumping. No bleeding.
- Good workability - Excellent surface appearance with self -compacting concrete.
- Minimal bleed water - Excellent concrete quality.
- High elastic modulus - Superior load bearing capacity.
- Robustness of concrete - High supplemental cementitious materials replacement

APPROVALS / STANDARDS

SikaPlast® PH 8829 is complies with BS EN 934-2 : 2009.

PRODUCT INFORMATION

Packaging	▪ 1000 L IBC tank ▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store at a temperature above 5 °C and in tightly sealed original containers. If found to be frozen, thaw it and reconstitute by stirring.

SYSTEM INFORMATION

Compatibility	SikaPlast® PH 8829 is compatible with all cements meeting recognised international standards.

APPLICATION INFORMATION

Recommended Dosage	Dosage of SikaPlast® PH 8829 depends on the mix design, ambient conditions and degree of water reduction and workability required. SikaPlast® PH 8829 is dispensed at a rate of 500 ml to 1000 ml per 100 kg of cementitious material. Other dosages may also be used depending on the specific working conditions. SikaPlast® PH 8829 can be used in conjunction with other products from the Sika® Plastiment®, Sika® ViscoCrete®, and SikaPlast® series resulting in reduced dosages through synergistic effects. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.
Dispensing	SikaPlast® PH 8829 is a ready-to-use admixture to be added to the concrete mix as a separate component. Optimal mixing water reduction is obtained if SikaPlast® PH 8829 is poured into the concrete mix right after the addition of the first 50–70 % of the mixing water. Avoid adding the admixture to the dry aggregates. A separate dispenser and feed line must be used.

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

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