

PRODUCT DATA SHEET

SikaPlast® PH 3600

(formerly MasterPolyheed® 3600)

Superplasticizer for the production of high quality ready-mix concrete

DESCRIPTION

SikaPlast® PH 3600 is a high performance superplasticizer based on synthetic polymers, and is specially engineered for ready-mix concrete.

SikaPlast® PH 3600 is formulated from unique polymers produced in-house by Master Builders Solutions. The objective of the development of the polycarboxylic ether (PCE) admixtures is to improve the polymer performance to give enhanced rheology and robustness to the concrete.

USES

SikaPlast® PH 3600 is used for the production of high quality ready-mix concrete

FEATURES

The ready-mix producer:

- Capability of delivering high performance concrete with enhanced rheology
- Concrete is easier to pump reducing pumping time and wear-and-tear on equipment.
- Concrete is easier to place and finish
- Enhanced rheology is maintained from time of mixing to time of placement.

The contractor / applicator:

- Easier placing and faster strength development
- Improved concrete surfaces

The engineer:

- Insurance that concrete meets original specification
- High quality durable concrete

CERTIFICATES AND TEST REPORTS

ASTM C-494 Type F&G
BS EN 934-2

PRODUCT INFORMATION

Packaging	1000 lt. flow bins. Bulk supply in tanker trucks is available upon request
Shelf life	The shelf life is 12 months when stored as above.
Storage conditions	SikaPlast® PH 3600 should be stored in closed containers or storage tanks to protect from evaporation.
Appearance and colour	Light to medium brown coloured liquid
Density	@ 25°C is 1.050
pH-Value	5.0 – 7.0
Total chloride ion content	“chloride-free” to EN 934-2

APPLICATION INFORMATION

Recommended dosage	The normally recommended dosage rate of SikaPlast® PH 3600 is 0.8 to 2.5 litre per 100kg of total cementitious material. Other dosages may be recommended in special cases according to the specific site conditions. In this case please consult our Technical Services Department for advice.
Compatibility	SikaPlast® PH 3600 is not compatible with Sikament® RB superplasticizers. SikaPlast® PH is suitable for mixes containing: <ul style="list-style-type: none">• Microsilica (Silica Fume)• Fly Ash (PFA)• GGBS (ground granulated blast furnace slag)

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

SikaPlast® PH 3600 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if SikaPlast® PH 3600 is poured into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted.

Avoid adding the admixture to the dry aggregates.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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