

PRODUCT DATA SHEET

SikaPlast® PH 8118

(formerly MasterPolyheed® 8118)

HIGH RANGE WATER REDUCING AND RETARDING ADMIXTURE

DESCRIPTION

SikaPlast® PH 8118 is a superplasticizing, high range, water-reducing and retarding admixture formulated to produce low slump loss plastic concrete. Plastic concrete is fluid, workable, or easily flowing concrete but at the same time free from segregation. The slump retention characteristics of plastic concrete permit the addition of SikaPlast® PH 8118 at the batch plant.

This ready-to-use chloride free liquid admixture meets ASTM C494/C494M requirements for Type G admixture and AS 1478 requirements for type HRWR. It is also compatible with all cements meeting the ASTM standards.

USES

- Mass concrete pours
- Long distance transport

- High manufactured sand concrete
- Pumped concrete
- Concrete in hot climates
- Central batch plants for concrete to be transported for more than 1 hour
- Concrete to be pumped over a distance of more than 200 meters or to a considerable height

FEATURES

SikaPlast® PH 8118 considerably improves the properties of fresh and hardened concrete:

- High reliability.
- Good workability and surface finish.
- Impermeability.
- Durability.
- Dimensional stability.
- High elastic modulus.
- Low shrinkage and creep.

PRODUCT INFORMATION

Composition	Aqueous solution of sodium lignosulphonate
Packaging	205 L drums (non-returnable)
Shelf life	12 months from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
Appearance	Liquid

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice, concerning production and placing, are to be followed.
Laboratory trials before concreting on site are strongly recommended when using a new mix design or producing new concrete components.
Fresh concrete must be cured properly and as early as possible.

APPLICATION INFORMATION

Recommended dosage

0.4 – 1.8 L per 100 Kg of cementitious.
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.

Compatibility

SikaPlast® PH 8118 may be combined with the following products:

- Sika® Viscocrete® Series
- Sika Viscoflow® Series
- SikaFume®
- SikaFiber®

Do not use viscocrete or viscoflow series combined with sikament series.
To produce flowing and or self-compacting concrete, special concrete mix design is required.
Pre-trials are recommended and mandatory if combinations with the above products are required.
Please consult to our Technical Service Department.

BASIS OF PRODUCT DATA

All technical data stated in this 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.

APPLICATION INSTRUCTIONS

APPLICATION

SikaPlast® PH 8118 can be added at the batch plant or on site. When adding at batch plant, delay addition until cement has been thoroughly wetted and at least 80% of water added. When introduced on site, mix for further 3 minutes after addition.

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LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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