

PRODUCT DATA SHEET

Sika® Plastiment®-251 KH

MID-RANGE WATER REDUCING CONCRETE ADMIXTURE

DESCRIPTION

Sika® Plastiment®-251 KH is a newly developed admixture for concrete with mid-range reducing effect. It is concentrated solution based on Synthetic Polymer and additives.

USES

- Cost effectiveness required for conventional concrete.
- Where increased workability is required.
- Use in mixes where cement saving is required.
- Especially suitable for concrete containing cement replacements such as PFA (fly ash) or GGBFS (slag).

CHARACTERISTICS / ADVANTAGES

- Water reduction up to 15% against control mix.
- Improve utilization of cement.
- Improved water tightness.
- Equal strengths to control mix with less cement.
- Better improvement for final strength.
- Compensates for slow early strength gain achieved by cement replacements (PFA, GGBFS).
- Increased workability and place ability.
- Longer slump retention.

APPROVALS / CERTIFICATES

Sika® Plastiment®-251 KH is complied with ASTM C494 -81 Type A & D.

PRODUCT INFORMATION

Packaging	200L/drum ; 1000L/tank
Appearance / Colour	Light brown
Shelf life	12 months when unopened.
Storage conditions	Store at protected area from direct sunshine at temperature between 5 and 40 degree Celsius.
Specific Gravity	1.10 - 1.11kg/L
pH-Value	5.0-7.0 (Approx.)

APPLICATION INFORMATION

Recommended Dosage	0.4 - 1.0L per 100kg of cement
Dispensing	Add the correct amount of Sika® Plastiment®-251 KH at the concrete plant. Addition should be by automatic dispenser into the water line at the batching plant. Do not add directly on to the dry sand or cement.
Restrictions	Accidental overdosing of Sika® Plastiment®-251 KH causes an extension of initial and final setting time, particular in combination with PFA up to 30% replacement.

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.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

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.

Sika (Cambodia) Ltd.

Legacy Business Center, Building #29
street 245
Sangkat Tuol Tom Poug 2, Khan
Chamkarmorn
12308, Phnom Penh, Cambodia
Tel: +855 23 901 450

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