

PRODUCT DATA SHEET

Sika® Retarder-47 PK

Set retarding admixture for concrete

DESCRIPTION

Sika® Retarder-47 PK is a liquid admixture developed for the control of cement hydration. Sika® Retarder-47 PK retards and stabilizes concrete mixes without negatively influencing their final strength.

USES

Sika® Retarder-47 PK retards the initial set in concrete to allow an extended period of workability.

CHARACTERISTICS / ADVANTAGES

Sika® Retarder-47 PK retards the hydration of cement.

- Strong retardation to facilitate long haulage duration
- High resistance to segregation with reduced bleed
- Extended workability

APPROVALS / STANDARDS

Conforms to the requirements of ASTM C 494 Type B and BS EN 934-2 Table 8.

PRODUCT INFORMATION

Chemical Base	Organic polymer blend
Packaging	05 ltr jerry can 20 ltr plastic can 200 ltr drum 1000 ltr IBC Bulk supply in tanker is possible on demand
Appearance / Colour	Light Brown Liquid
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage Conditions	The product must be stored properly in undamaged, unopened original sealed packaging in dry conditions at temperatures between +5° C and +35° C. Protect from direct sunlight and frost.
pH-Value	≥ 6
Total Chloride Ion Content	≤ 0.2% (EN934-2)
Specific gravity	1.16 ± 0.03

APPLICATION INFORMATION

Recommended Dosage	0.2–2.0 % by weight of cement
Compatibility	Sika® Retarder-47 PK should not be mixed directly with the following admixtures prior to dispensing as solids can form in the mixture. This can

cause increased viscosity and pump / pipe blockages:

- Sika® Plastiment®-190
- SikaRapid®-1
- SikaRapid®-800 ECO
- Sika® Viscoflow®-1000
- Sika® Viscoflow®-2000

Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice about any specific combinations.

Dispensing

Sika® Retarder-47 PK should be dispensed through suitably calibrated dosing equipment.

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

REGULATION (EC) NO 1907/2006 - REACH

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

- The standard rules of good concreting practice, concerning production and placing, are to be followed.
- Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.
- Fresh concrete must be cured properly and curing applied as early as possible.
- Sika® Retarder-47 PK shall not be added to dry cement
- Overdosing will result in an increase in setting time

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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