

PRODUCT DATA SHEET

Sika® Retarder liquid

Set retarding admixture

DESCRIPTION

Sika® Retarder liquid is a retarding admixture which delays the initial setting time of concrete

USES

- Enables homogenous setting in large monolithic construction elements
- For reinforced and pre-stressed concrete
- When wet concrete temperatures above +25 °C are expected

CHARACTERISTICS / ADVANTAGES

- Increases workability time
- Enables recompaction
- Does not contain chlorides or any other substances which promote steel corrosion
- Reduces problems associated with transportation delays

PRODUCT INFORMATION

Composition	Modified phosphates
Packaging	Please contact our customer service, for information of what packaging sizes are sold in Denmark.
Appearance / Colour	Yellowish brown liquid
Shelf life	12 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.
Density	~1,13 kg/l
pH-Value	~7,0
Conventional dry material content	~19,0 %
Viscosity	< 10 mPa s
Total chloride ion content	< 0,1 % by weight
Equivalent sodium oxide	< 6,0 % by weight

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice, concerning production and placing must be followed.
----------------------------	---

Laboratory trials must 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.

Concrete mix design	When using Sika® Retarder liquid, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.
Curing conditions	The formwork for retarded concrete must not be water absorbing. Effective curing is mandatory and achieved by suitable surface protection, e.g. covering with membranes, curing compounds, watering or other approved techniques.
Compatibility	Sika® Retarder liquid may be combined with many other Sika products. Trials must always be carried out before combining products in specific mixes. Contact Sika Technical Services for additional information and any specific combinations.
Recommended dosage	0,2–2,0 % by weight of cement Note: Application at higher dosages will increase the retardation effects.
Dispensing	Sika® Retarder liquid must be measured using suitable equipment then added to the batching gauging water or both added together at the same time into the concrete mixer.
Restrictions	Sika® Retarder liquid must not be added to dry cement. Sika® Retarder liquid must not be combined with antifreeze admixtures (setting acceleration admixtures).

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.

LOCAL RESTRICTIONS

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

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally

have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S
Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



PRODUCT DATA SHEET
Sika® Retarder liquid
August 2020, Version 01.01
02140601100000001

SikaRetarderliquid-en-DK-(08-2020)-1-1.pdf