

PRODUCT DATA SHEET

Sika® Accelerator

Concrete accelerator for faster setting

DESCRIPTION

Sika® Accelerator delivered as a ready-to-use solution. Can be combined with Sikas admixtures. Does not contain chloride and is not corrosive to reinforcement. Has been tested on approx.

USES

Sika® Accelerator is suitable for concrete in element production, as well as ready-mixed factory concrete. Sika® Accelerator is used at concrete temperatures between min. +5°C and max. +25°C.

Sika® Accelerator is suitable for:

- Floor concrete
- Accelerating cement reactions in cold weather
- Element industry
- Concrete with high early strength and fast setting
- Vibration-free concrete

FEATURES

Sika® Accelerator is used to shorten the hardening time (setting time) and accelerate the early strength development in concrete and cement mortar with low concrete temperature. It can be advantageously used in cold weather or when early mold removal is required.

CERTIFICATES AND TEST REPORTS

- Sika® Accelerator has CE certificate no: 2719-CPR-704
- Sika® Accelerator is CE marked in accordance with: EN 934-2

PRODUCT INFORMATION

Packaging	Drum 296 kg, IBC 1490 kg
Colour	Transparent liquid
Shelf life	The shelf life under frost-free storage conditions at a minimum of +5 °C and a maximum of +25 °C is 16 months from the date of manufacture
Storage conditions	It is recommended to store the product in frost-free conditions. Sika® Accelerator withstands frost down to -8 °C. Storage at lower temperatures may lead to crystallization of solid matter, which can be re-dissolved by heating and thorough stirring – even after freezing. The liquid does not change its properties.”
Density	1,490 ± 0,03 kg/dm ³
pH-Value	6±1
Conventional dry material content	50 ± 2,5% by weight
Total chloride ion content	<0,1% by weight

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Recommended dosage

Normal dosage is 0.3 - 2.5% by weight of cement + fly ash + microsilica. The product does not cause any side effects in the normal dosage range, but can cause uncontrollable setting if overdosed.

It is always advisable to carry out test mixes when mixing for the first time. In some cases, it will be necessary to dose in addition to the normal dosage. In such cases, it is advisable to do this in consultation with our technical department.

The dosage is stated in % by weight of the powder amount, which is equal to the total amount of cement and pozzolan (fly ash + microsilica).

The dosage amount depends on:

- w/c ratio
- Cement type
- Concrete temperature
- Concrete composition
- Other concrete additives

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**

Sika® Accelerator is added to the mixing water or directly into the wet concrete mix after adding water. For transport times of more than 30 - 45 minutes, Sika® Accelerator should be added at the unloading point. The concrete should then be mixed until the load has a uniform slump measure and at least 1 minute per m³.

Sika® Accelerator should not be used in combination with expanding and shrinkage-compensating concrete admixtures without prior guidance from a Sika consultant. Sika® Accelerator can otherwise be combined with other concrete admixtures from Sika Danmark A/S. When combined with other concrete admixtures, the products should be dosed separately. Trials are recommended if other concrete admixtures are combined with Sika® Accelerator. Please consult our technical service.

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Important considerations

In all types of concrete work, it is important that the rules for good concrete practice are observed. It is important that the fresh concrete surfaces, at the earliest time possible, are protected by covering with plastic film or spraying on an effective curing compound. The choice of method for protection against drying out, should be made taking into account any subsequent surface treatment.

Adding small amounts of Crackstop polypropylene fibers can, through its stress-distributing effect, help to improve concrete quality.

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.

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