

PRODUCT DATA SHEET

SikaRapid[®]-2 AE

Setting accelerator for concrete and mortars

DESCRIPTION

SikaRapid[®]-2 AE is a liquid admixture to promote early setting and strength development without influencing the final strength.

USES

SikaRapid[®]-2 AE is suitable for applications where fast early setting and early strength development is required:

- Precast concrete
- Ready-mix concrete
- Insitu mixed concrete or mortars
- Slip form concrete

FEATURES

- Compatible with superplasticisers
- Increases strength between 6–24 hours
- Accelerates setting in cold temperatures
- Faster resistance to frost
- Earlier demoulding of formwork
- Earlier removal of curing membranes
- Earlier loading or trafficking
- Reduces requirements for heat or steam curing
- No negative effect on final strength
- Does not contain chlorides
- Suitable for steel reinforced concrete

CERTIFICATES AND TEST REPORTS

Conforms to the requirements of EN 934-2 table 6

PRODUCT INFORMATION

Composition	Mixture of organic and inorganic complex agents
Packaging	25 litre, 200 litre drum, or 1000 litre IBC (Intermediate Bulk Containers)
Appearance and colour	Clear yellow liquid
Shelf life	12 months in original unopened containers
Storage conditions	Stored in cool dry conditions between 5 °C and 50 °C protected from direct sunlight and freezing.
Density	~1.30 kg/l (+25 °C)

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice for production and placing must be observed when using SikaRapid [®] -2 AE in concrete. Refer to relevant standards. Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika [®] Antisol [®] products as a curing agent or apply wet hessian.
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APPLICATION INFORMATION

Recommended dosage	1.0–2.0 % by weight of cement Higher dosages by weight of binder can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required. Please consult our Sika Technical Department.
Compatibility	SikaRapid®-2 AE may be combined with all types of Portland cement and the following Sika products: <ul style="list-style-type: none">▪ SikaPump®▪ Sika® FerroGard®▪ SikaFume®▪ Sika® Aer▪ SikaControl®▪ SikaFiber®▪ Sika® Stabilizer We recommend to perform trial mixes to establish the required performance when combined with the above products. Please consult our Sika Technical Department.
Dispensing	It is recommended to add SikaRapid®-2 AE to the basic concrete carried in a transit mixer at the place of discharge. In this case, an additional mixing time of 1 minute per m ³ of concrete must be observed. The concrete shall be checked for uniform consistency prior to discharge from a transit mixer.
Restrictions	<ul style="list-style-type: none">▪ SikaRapid®-2 AE is not compatible with admixtures based on sulfonated naphthalene or melamine.▪ SikaRapid®-2 AE shall not be added to dry cement.

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 Sika 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.

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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ISO 9001, 14001, 45001 – SGS
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- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
- Sika UAE LLC (Branch)
ISO 9001 – SGS
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



SikaRapid-2AE-en-AE-(04-2026)-2-1.pdf

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April 2026, Version 02.01
021402021000000161

