

PRODUCT DATA SHEET

SikaRapid[®]-2

Setting accelerator for concrete and mortars

DESCRIPTION

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

USES

SikaRapid[®]-2 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
- furthers early green strength
- 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	drum, IBC, bulk supply
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 25 °C protected from direct sun light and freezing
Density	1.45 ± 0.02.
pH-Value	6.5 ± 1.0
Conventional dry material content	~48 M-%
Viscosity	~10 mPa s at 23 °C
Total chloride ion content	< 0,1 M-%
Equivalent sodium oxide	< 3,0 % (as Na ₂ O w/w)

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice concerning production and placing shall be followed. Laboratory trials shall be carried out before hand, especially when using a new mix design or producing new concrete components. Fresh concrete shall be cured according to recognised techniques and applied as early as possible.

APPLICATION INFORMATION

Recommended dosage

1,0–2,0 % by weight of 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

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

DISPENSING

SikaRapid®-2 is added to the guaging water or added simultaneously with the guaging water into the concrete mixer.

It is also possible to add SikaRapid®-2 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 m³ of concrete must be observed. The concrete shall be checked for uniform consistency prior to discharge from a transit mixer.

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.

SIKA MANUFACTURING NIGERIA LIMITED

10, Western Industrial Avenue, Isheri

Riverview Estate

Lagos - Ibadan Expressway, Ogun State

NIGERIA

Web: nga.sika.com

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January 2025, Version 01.04

021402021000000005

SikaRapid-2-en-NG-(01-2025)-1-4.pdf