

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

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / STANDARDS

Conforms to the requirements of European Norm: EN-934-2 (SANS 50934-2)

PRODUCT INFORMATION

Chemical Base	Mixture of complexing agents
Packaging	25 Litre, 200 Litre drum, 1000 Litre IBC.
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
Appearance / Colour	Clear liquid
Density	~1.30 kg/l
pH-Value	~5.5
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 suing 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

The normally recommended dosage rate of SikaRapid®-2 is approximately:

By Volume -

0.50 to 3.00 litres per 100 kg of cement (binder) content.

The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilised in special cases according to specific job conditions. If required consult Sika South Africa Technical Services Department for advice.

Trial mixes should be carried out to ensure optimum dosage and effect.

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

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

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.

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