

## PRODUCT DATA SHEET

## SikaRapid®-2 KE

Setting accelerator for concrete and mortars

## DESCRIPTION

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

## USES

SikaRapid®-2 KE is suitable for applications where fast early setting and early strength development is required such as

- 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 / CERTIFICATES

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, 1000 Litre IBC, and bulk tanker deliver depending on client's request                                                                                                                          |
| Appearance / Colour               | Clear/ pale 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                           | ~1.26 kg/l                                                                                                                                                                                                               |
| pH-Value                          | ~6.0                                                                                                                                                                                                                     |
| Conventional dry material content | ~38.00 M-%                                                                                                                                                                                                               |
| Total chloride ion content        | < 0,1 M-%                                                                                                                                                                                                                |
| 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.

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**Recommended dosage**

1.0–2.0 % by weight of cement

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## 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.

### DISPENSING

SikaRapid®-2 KE 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 KE 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<sup>3</sup> 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 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

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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### Product Data Sheet

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