

PRODUCT DATA SHEET

SikaRapid[®]-3

Set accelerating admixture for concrete and mortar.

PRODUCT DESCRIPTION

SikaRapid[®]-3 is a chloride-free, set-accelerating admixture for concrete and mortar.

SikaRapid[®]-3 promotes early strength development without negatively influencing final strengths.

USES

SikaRapid[®]-3 has been specifically formulated for applications where fast early set and strength development plays a major role, or is of crucial importance within 6 to 24 hours.

SikaRapid[®]-3 is frequently used in the following applications:

- Precast concrete
- Prestressed concrete
- Placing concrete during cold ambient temperatures
- Slipform construction

CHARACTERISTICS / ADVANTAGES

SikaRapid[®]-3 accelerates the set of the concrete and provides benefits such as:

- Faster formwork striking times
- Reduced or eliminated heat or steam curing
- Continuous concreting at low temperatures
- No negative effects on the final strengths
- Chloride-free so suitable for use in steel-reinforced and prestressed concrete

APPROVALS / STANDARDS

SikaRapid[®]-3 conforms to the requirements of EN 934-2, Table 6.

DoP 90978383, certified by Factory Production Control Body 1029 and provided with the CE mark

DoC 17265690, certified by Factory Production Control Body 0120 and provided with the UKCA mark

PRODUCT INFORMATION

Chemical Base	Mixture of organic and inorganic complex agents
Packaging	Bulk IBC
Shelf Life	Minimum 6 months from date of production if stored properly in undamaged, unopened, original sealed packaging
Storage Conditions	Store at temperatures between +5°C and +30°C. Protect from direct sunlight, frost and contamination.
Appearance / Colour	Brown liquid
Density	1.37 kg/lit
pH-Value	8.5 ±1.0
Total Chloride Ion Content	<0.1% w/w (chloride free)
Equivalent Sodium Oxide	<2.0% w/w (alkali content)

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice, concerning production and placing, are to be followed. Fresh concrete must be cured properly and curing applied as early as possible. Pre-trials or laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing with new concrete components.
Recommended Dosage	0.5 - 3.0% by weight of cement/binder
Dispensing	SikaRapid®-3 is added to the gauging water or added with it into the concrete mixer. A wet mixing time, depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. When added on site the truck mixer shall rotate its drum at maximum revolutions for at least 1 minute per m ³ concrete and a minimum of 5 minutes to achieve a uniform mix.
Compatibility	SikaRapid®-3 may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice.

VALUE BASE

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

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent 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

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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