

SikaRapid®-1 MY

Hardening accelerator

Product Description

SikaRapid®-1 MY is a new generation hardening accelerator for concrete and mortar. It increases the early strengths of concrete without negatively influencing final strengths.

Uses

- SikaRapid®-1 MY can be used where extremely high requirements for early strengths within 6 – 24 hours have to be achieved
- SikaRapid®-1 MY does not contain any chlorides and can therefore be used without any reservations for reinforced as well as prestressed concrete. However, it should not be used in combination with expanding or shrinkage compensating admixtures

Characteristics / Advantages

SikaRapid-1® MY is normally used in combination with a superplasticiser. The addition of SikaRapid®-1 MY does not change the positive properties (for example fluidifying, slump retaining, etc.) of the superplasticiser.

Depending on the dosage of SikaRapid®-1 MY an increase in early strengths during the first 24 hours of up to 100 % in comparison with normal Sikament® concrete can be achieved. Depending on the brand of cement-type used and the temperature of the fresh concrete, the effect may vary slightly. It is recommended to combine SikaRapid®-1 MY only with normal setting types of Sikament®.

Tests

Approval / Standards

Conforms to the requirements of prEN 934-2

Product Data

Form

Appearance / Colour

Yellowish liquid

Packaging

200 ltr drums (non-returnable)

Storage

Storage Conditions / Shelf Life

15 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight.



Technical Data

Chemical Base	Mixture of organic and inorganic complexing agents
Density	~1.07 kg/ltr
pH Value	9 ± 0.5

System Information

Application Details

Dosages	SikaRapid®-1 MY shall be dosed at between 0.5 – 1.5% by weight of cement depending on desired acceleration effect.
Concrete Placing	The standard rules of good concrete production and placing must also be observed when SikaRapid®-1 MY is used. Optimal curing of the fresh concrete is a must.

Application Instructions

Dispensing	SikaRapid®-1 MY is either mixed with the gauging water or added simultaneously with the gauging water into the concrete mixer. It is also possible to add SikaRapid®-1 MY 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. Prior to its discharge the concrete should be checked visually for uniform consistency.
Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

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.
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Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (available on request) containing physical, ecological, toxicological and other safety-related data.
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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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