

PRODUCT DATA SHEET

SikaRapid® AF

AC - NON CHLORIDE SET ACCELERATOR

DESCRIPTION

SikaRapid® AF is a non chloride set accelerator for concrete and mortar.

USES

SikaRapid® AF is recommended for use in premix and precast concrete where accelerated setting time is required. As a result, SikaRapid®-AF allows:

- Faster finishing of concrete surfaces.
- Improved early strength of premixed concrete.
- Faster slip-form movement.
- Used in ready mix concrete in cold weather.

CHARACTERISTICS / ADVANTAGES

Can be used alone or in conjunction with a water reducer or a superplasticiser.

Faster demoulding

Reduces the risk of damage by freezing when pouring with cold temperature by shortening the plastic phase of the concrete.

APPROVALS / CERTIFICATES

SikaRapid® AF meets and exceeds all requirements of Australian Standard 1478.1-2000 for Accelerator (Ac).

PRODUCT INFORMATION

Packaging	Bulk deliveries 205 litre drums 10 litre pails
Shelf life	Stored at temperatures between 5° C and 35° C in unopened original containers protected from direct sunlight and from frost, shelf life is at least one (1) year.
Storage conditions	Store SikaRapid® AF at 5°/35°, protected from the direct sunlight.
Specific Gravity	1.42 g/cm ³
Compatibility	SikaRapid® AF can be used in conjunction with any non-retarded Sika plasticiser or superplasticiser. It is beneficial to add SikaRapid® AF with the initial mixing water before the addition of superplasticiser to enhance strength development. Tests must be carried out to determine the optimum combination. Do not use SikaRapid® AF in conjunction with shrinkage compensating admixtures.
Recommended Dosage	Dosage is 400ml - 2000ml/100 kg of total cementitious material. Exact dosage rate should be determined by site trials.

Dispensing

SikaRapid® AF is added to batching water or is poured into the concrete mix at the same time as the gauging water. SikaRapid® AF may also be added into the agitator truck on site. In this case, the concrete should then be mixed for an extra 1 minute for every cubic metre of concrete. The concrete should then be checked visually for uniform consistency before discharging.

IMPORTANT CONSIDERATIONS

Frozen SikaRapid®-AF may be used after it has been carefully thawed at room temperature and thoroughly stirred.

Where concrete with low cement content is being supplied, higher dosage rates should be used.

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.

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.

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.

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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