

PRODUCT DATA SHEET

SikaRapid[®]-4

Ac - Set Accelerator

DESCRIPTION

SikaRapid[®]-4 is a set accelerator for concrete and mortar containing added chloride.

USES

SikaRapid[®]-4 is recommended for use in premix and precast concrete where accelerated setting times are required. As a result, SikaRapid[®]-4 allows:

- Faster finishing of concrete surfaces.
- Improved early strength of premixed concrete.
- Rapid slip-form movement.

CHARACTERISTICS / ADVANTAGES

- Can be used as an accelerator or in combination with a superplasticiser.
- Faster demoulding.
- Higher productivity.

APPROVALS / CERTIFICATES

SikaRapid[®]-4 meets and exceeds all requirements of Australian Standard 1478.1-2000 for Accelerator (Ac).

PRODUCT INFORMATION

Packaging	Bulk deliveries 1000 litre IBC 205 litre drum 10 litre container
Shelf life	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight, shelf life is at least one (1) year.
Storage conditions	Store at temperature between 5°C and 35°C, protected from direct sunlight.
Appearance and colour	Light brown liquid.
Specific gravity	1.44 g/cm ³
Total chloride ion content	1000ml contains approximately 86g Chloride ions.
Recommended dosage	Dosage is 400ml - 2000ml/100 kg of total cementitious material. Exact dosage rate should be determined by site trials.
Dispensing	SikaRapid [®] -4 is added to batching water or is poured into the concrete mix at the same time as the gauging water. SikaRapid [®] -4 may also be added into the premix 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.
Compatibility	SikaRapid [®] -4 can be used in conjunction with any non-retarded Sika plasti-

ciser or superplasticiser. It is beneficial to add the SikaRapid®-4 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®-4 in conjunction with shrinkage compensating admixtures.

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.

FURTHER INFORMATION

A dose of 4.6L/m³ will give up to 0.4kg/m³ chloride ion for concrete containing reinforcement or other items requiring protection the maximum permitted chloride content is 0.8kg/m³ (AS1379)

IMPORTANT CONSIDERATIONS

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

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.

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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