

# SikaRapid<sup>®</sup> AF

## Ac - Non Chloride Set Accelerator

Construction

<b>Description</b>	SikaRapid <sup>®</sup> AF is a non chloride set accelerator for concrete and mortar.
<b>Uses</b>	<p>SikaRapid<sup>®</sup> AF is recommended for use in premix and precast concrete where accelerated setting times are required. As a result, SikaRapid<sup>®</sup> AF allows:</p> <ul style="list-style-type: none"> <li>• Faster finishing of concrete surfaces.</li> <li>• Improved early strength of premixed concrete.</li> <li>• Rapid slip-form movement.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Can be used as an accelerator or in combination with a superplasticiser.</li> <li>• Faster demoulding</li> </ul>
<b>Storage and Shelf Life</b>	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.
<b>Application</b>	
<b>Dosage</b>	Dosage is 400ml – 2000ml/100 kg of total cementitious material. Exact dosage rate should be determined by site trials.
<b>Mixing</b>	SikaRapid <sup>®</sup> AF is added to batching water or is poured into the concrete mix at the same time as the gauging water. The SikaRapid <sup>®</sup> AF 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.
<b>Specification Type</b>	<p>SikaRapid<sup>®</sup> AF meets and exceeds all requirements of Australian Standard 1478.1-2000 for Accelerator (Ac).</p> <p>Queensland Government Department of Main Roads approved.</p>

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**Technical Data (Typical)**


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<b>Form</b>	Liquid
<b>Colour</b>	Brown
<b>Density (20°C)</b>	1.4 kg/litre approx.
<b>pH-value (20°C)</b>	8.5 ± 1.0
<b>Chloride Content</b>	No added chlorides
<b>TEA Content</b>	Contains TEA
<b>Air Entrainment</b>	None
<b>Packaging</b>	20 litre pails 205 litre drums Bulk deliveries

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**Important Notes**

- Do not use SikaRapid® AF in conjunction with shrinkage compensating admixtures.
  - Frozen SikaRapid® AF may be used after it has been carefully thawed at room temperature and thoroughly stirred.
  - When using SikaRapid® AF site trials are always recommended to achieve the best results.
  - SikaRapid® AF can be used in conjunction with any non-retarded Sika plasticiser or superplasticiser. It is beneficial to add the 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.
  - Where concrete with a low cement content is being supplied, higher dosage rates should be used.
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**Handling Precautions**

- Avoid contact with skin and eyes.
  - Wear protective gloves and eye protection during work.
  - If skin contact occurs, wash skin thoroughly.
  - If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
  - A full Material Safety Data Sheet is available from Sika on request.
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**Important Notification**

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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