

## PRODUCT DATA SHEET

# SikaRapid<sup>®</sup>-22 AU

Setting and hardening accelerator for concrete mortar and grout

### DESCRIPTION

SikaRapid<sup>®</sup>-22 AU is a non chloride set and hardening accelerator for concrete, mortar and grout.

### USES

SikaRapid<sup>®</sup>-22 AU is recommended for use in premix and precast concrete where fast setting and hardening time is required.

As a result, SikaRapid<sup>®</sup>-22 AU allows:

- faster finishing of concrete surfaces
- improved early strength of premixed concrete
- faster slip-form production
- used in ready mix concrete in cold climates

### FEATURES

- Faster setting time even at low temperatures
- high early strength
- increase the turnover of the formwork
- reducing the time of steam curing cycles
- no negative impact on the effectiveness of super-plasticizers and other admixtures
- no negative effect on the properties of concrete
- SikaRapid<sup>®</sup>-22 AU does not contain chlorides or any other materials which promote the corrosion of steel reinforcement. Therefore It is suitable for reinforced and pre-stressed concrete.

### CERTIFICATES AND TEST REPORTS

SikaRapid<sup>®</sup>-22 AU meets and exceeds all requirements of Australian Standard 1478.1-2000 for Accelerator (Ac).

### PRODUCT INFORMATION

<b>Packaging</b>	Bulk delivery 1000 litre IBC 10 litre container
<b>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 12 months.
<b>Storage conditions</b>	Store SikaRapid <sup>®</sup> -22 AU at 5°/35°, protected from the direct sunlight
<b>Appearance and colour</b>	Orange liquid
<b>Density</b>	1.2 kg/l
<b>Recommended dosage</b>	Typical dosage range is 500ml - 2000ml/100 kg of total cementitious material. Exact dosage rate should be determined by site trials.
<b>Dispensing</b>	SikaRapid <sup>®</sup> -22 AU is added to batching water or is poured into the concrete mix at the same time as the gauging water. SikaRapid <sup>®</sup> -22 AU 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.  
Do not add SikaRapid®-22 AU to dry mix.

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**Compatibility**

SikaRapid®-22 AU can be used in conjunction with any non-retarded Sika Concrete admixtures.  
It is beneficial to add SikaRapid®-22 AU with the initial mixing. Tests must be carried out to determine the optimum batching sequence.  
Do not use SikaRapid®-22 AU in conjunction with shrinkage compensating admixtures (i.e expanding agents).

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**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.

**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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**Product Data Sheet**  
SikaRapid®-22 AU  
February 2024, Version 01.03  
021402021000000177

SikaRapid-22AU-en-AU-(02-2024)-1-3.pdf