

BUILDING PRODUCT INFORMATION SHEET

Sika® Defoamer

Air content reducing concrete admixture

DESCRIPTION

Sika® Defoamer is a liquid admixture that is used to reduce the air content of concrete.

USES

- Sika® Defoamer is used to reduce the air content of concrete
- Improve the quality of recycled water for concrete production

FEATURES

- Reduced air contents of concrete
- Reduced air contents of mortar
- Improved surface finishes
- Improved use of recycled water in concrete production

PRODUCT INFORMATION

Product identifier	Sika® Defoamer
Place of manufacture	Aotearoa New Zealand
Composition	Ester of Isobutanol and phosphoric acid.
Packaging	20 litre pail
Shelf life	12 months from date of production if stored properly in undamaged containers.
Storage conditions	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
Appearance and colour	Straw coloured liquid
Density	0.96 kg/litre (at +20°C)
pH-Value	7.0 +/- 1.0
Total chloride ion content	<0.1% w/w (chloride free)

TECHNICAL INFORMATION

Specific advice	<ul style="list-style-type: none">▪ Freezing Point: +1°C▪ Effect on Setting: Extension to normal setting▪ Effect of Overdosing: Retardation▪ Alkali Content: <0.1% w/w
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APPLICATION INFORMATION

Application information	<ul style="list-style-type: none">▪ The standard rules of good concreting practice, concerning production as well as placing, are to be followed. Refer to relevant standards. Fresh concrete must be cured properly.▪ Sika® Defoamer should <u>not</u> be added to dry cement.▪ Sika® Defoamer should be added with the mixing water.
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Dispensing	For maximum efficiency add Sika® Defoamer directly to freshly mixed concrete in the concrete mixer after all batching water and water reducing admixture has been added.
Recommended dosage	25 - 100 ml per cubic metre of concrete
Compatibility	<p>Sika® Admixtures: Compatibility information available on request</p> <p>Cements: All cement combinations</p>

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer Information	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	https://nzl.sika.com/
	Email address	info@nz.sika.com
	NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses	<p>Note: This product on its own is not within the scope of the NZ Building Code. It is an additive / admixture for use in the manufacture of concrete, to enhance its performance properties in either its plastic or hardened state. When added to concrete that must comply with the NZ Building Code, and it used in accordance with Sika's technical literature, it will contribute to meeting the requirements of the following clauses:</p> <p>B1 Structure: Performance Clauses B1.3.1, B1.3.2, B1.3.3 (a, b, f, h, m, q) B1.3.4</p> <p>B2 Durability: Performance clause B2.3.1-(a) not less than 50 years</p> <p>F2 Hazardous Building Materials: Performance clause F2.3.1</p>
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Building Code compliance statements	<p>Performance B1.3.1, B1.3.2, B1.3.3 (a, b, f, h, m, q), B1.3.4: This product meets the requirements of AS1478.1 Chemical Admixtures for Concrete, Mortar and Grout. When added to concrete during the production phase it contributes to the hardened concrete meeting loading requirements arising from self-weight, imposed gravity loads, earthquake, wind impact, and the effects of creep and shrinkage over time.</p> <p>Performance B2.3.1 (a) 50 years: This product meets the requirements of AS1478.1 Chemical Admixtures for Concrete, Mortar and Grout. When added to concrete, mortar or grout during the manufacturing process it helps the hardened concrete to achieve its durability requirements and to remain serviceable for 50 years, or more. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2023.</p> <p>Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required</p>
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BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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.

IMPORTANT CONSIDERATIONS

- When using Sika® Defoamer a suitable mix design is required and local material sources should be evaluated.
- Support from our Technical Department is recommended.

DESIGN REQUIREMENTS

Design requirements for concrete that contains Sika admixtures, or other concrete additives are the responsibility of the ready mixed concrete producer and/or the concrete design engineer.

MAINTENANCE REQUIREMENTS

Once added the Sika admixture / additive becomes an integral part of the hardened concrete, mortar or grout. Refer to the supplier of that product for their maintenance instructions.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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NZ BUILDING PRODUCT INFORMATION SHEET

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