

## PRODUCT DATA SHEET

# SikaProof® P-1

Waterproofing admixture for concrete and mortar

## PRODUCT DESCRIPTION

SikaProof® P-1 is a powdered admixture which is formulated to reduce the permeability and absorption of concrete and mortar.

## USES

SikaProof® P-1 acts as a water repellent and allows for the production of precast products and ready – mixed concrete. Typical applications include:

- Block paving
- Paving flags
- Building blocks and bricks

## CHARACTERISTICS / ADVANTAGES

- Enhances and intensifies colour
- Reduces efflorescence
- Increases freeze-thaw resistance
- Improves durability and life expectancy

## APPROVALS / STANDARDS

Conforms to the requirements of BS 8443:2005 admixtures for semi-dry concrete

## PRODUCT INFORMATION

<b>Chemical Base</b>	Stearic acid based blend
<b>Packaging</b>	20 kg bags
<b>Shelf Life</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging
<b>Storage Conditions</b>	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost
<b>Appearance / Colour</b>	White Powder
<b>Bulk Density</b>	0.65 kg/L
<b>Total Chloride Ion Content</b>	<0.1% w/w (chloride free)
<b>Equivalent Sodium Oxide</b>	<0.3 % w/w (alkali content)

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	1.0 – 2.0% by weight of cement
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## Compatibility

SikaProof® P-1 may be combined with many other Sika products.

Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice about any specific combinations.

## VALUE BASE

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.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### DISPENSING

In general a mixing time of at least 30 seconds is essential, although the actual mixing time after adding the admixture depends on the individual circumstances and should be determined by trials.

### APPLICATION METHOD / TOOLS

The standard rules of good mortar/concreting practice, concerning production and placing, are to be followed.

Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.

Fresh mortar/concrete must be cured properly and curing applied as early as possible.

### APPLICATION

When using SikaProof® P-1 a suitable mix design has to be taken into account and local material sources shall be trialled.

SikaProof® P-1 shall not be added to dry cement.

Overdosing may cause retardation/stabilisation.

Support from our Technical Service Department is recommended.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

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## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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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