

# PRODUCT DATA SHEET

## SikaRep® Fine PC

ONE COMPONENT, ECONOMICAL, POLYMER MODIFIED, PORE SEALER / FINISHING MORTAR

### DESCRIPTION

SikaRep® Fine PC is a cementitious, silica fume containing polymer modified one component pore sealer and finishing mortar. Suitable for use in hot and tropical climatic conditions.

### USES

SikaRep® Fine PC can be used as a:

- Pore sealer / finishing mortar on cementitious substrates.
- Thin layer rendering on horizontal and vertical areas in building and civil engineering construction, for external and internal finishing etc.

- Levelling mortar on uneven substrates, and profiled concrete surfaces.
- Repair mortar to fill honeycombing, pores etc.
- Repair mortar for repair of small defects on edges and joint sides; to form and finish joints and coverings.

### CHARACTERISTICS / ADVANTAGES

- Easy to use
- Excellent workability
- Good mechanical strengths
- Can be applied by wet-spray method
- Non-corrosive
- Adjustable consistency
- Economical

### PRODUCT INFORMATION

<b>Composition</b>	Polymer containing cementitious mortar with different additives
<b>Packaging</b>	25 kg bag
<b>Appearance / Colour</b>	Grey powder
<b>Shelf life</b>	12 months minimum from production date
<b>Storage conditions</b>	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.
<b>Maximum Grain Size</b>	~0.3 mm

### TECHNICAL INFORMATION

<b>Compressive Strength</b>		<b>7 day</b>	<b>28 day</b>	(ASTM C109)
	w/p ratio = 0.28, 7.0 L per 25 kg bag	~ 10 N/mm <sup>2</sup>	~ 25 N/mm <sup>2</sup>	
<b>Tensile Adhesion Strength</b>	≥ 1.5 N/mm <sup>2</sup> (or concrete failure)			(BS 1881)

## APPLICATION INFORMATION

Mixing Ratio	7.0 - 7.5 L of water per 25 kg bag
Fresh Mortar Density	~1.90 kg/l
Yield	~16.8 L per 25 kg bag
Layer Thickness	Min. 1.0 mm Max 2.0 mm in one single layer
Ambient Air Temperature	Min. +5 °C / Max. +40 °C
Substrate Temperature	Min. +5 °C / Max. +40 °C
Pot Life	~35 min (+25 °C)

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

- Substrates must be properly cured, structurally sound, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, cement laitance or efflorescence.
- Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as water-jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.
- For applications in hot climates / environments and / or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark-matt / wet surface appearance i.e. it must be saturated surface dry (SSD)

### MIXING

Mix 25 kg bag with necessary, above mentioned amount of cold water, using an electric blender with a suitable mixing spiral, in a clean bucket. Add the SikaRep® Fine PC powder slowly while mixing continuously for at least 3 minutes and until a homogeneous consistency is achieved.

Use a blender at 500 rpm maximum; do not mix at faster rate because of mechanical strength decay of cured product. The obtained mix results very creamy, easily spreadable and thixotropic.

### APPLICATION

SikaRep® Fine PC can be applied by trowel, spatula or wet spray. As soon as the mortar has started to set it can be smoothed by wooden or synthetic float, styro-foam block or sponge. No additional water must be used as it may lead to surface discoloration.

### CURING TREATMENT

Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48 hours or application of a suitable water based curing compound like Sika® Antisol WB is recommended. Do not commence fogging until final set has been reached.

### CLEANING OF EQUIPMENT

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

### BASIS OF PRODUCT DATA

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

### 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.

### 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.

## 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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under a management  
system certified to conform  
to the requirements of the  
quality, environmental and  
occupational health &  
safety standards ISO 9001,  
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### Product Data Sheet

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