

## Sika Rep Fine®

### Fine Pore Sealer and Finishing Coat

<b>Product Description</b>	Sika Rep Fine® is a cementitious, silicafume containing, polymer modified one-component pore sealer and finishing coat. Suitable for tropical conditions.	
<b>Uses</b>	Sika Rep Fine® can be used as a: <ul style="list-style-type: none"> <li>■ Pore sealer/finishing coat on mineral substrates.</li> <li>■ Thin layer rendering on horizontal and vertical areas in building and civil engineering construction, internal finishing etc.</li> <li>■ Levelling mortar on uneven substrates, and profiled concrete surfaces.</li> <li>■ Repair mortar to fill honeycombs, pores etc. on any kind of concrete construction.</li> <li>■ To repair small defects on edges and joint sides, to form and finish joints and coverings.</li> </ul>	
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ One component: only the addition of water is required.</li> <li>■ Easy to mix, apply and finish.</li> <li>■ Adjustable consistency.</li> <li>■ Good mechanical strengths.</li> <li>■ Sprayable with wet-spray method.</li> <li>■ Non corrosive, non-toxic.</li> </ul>	
<b>Approval / Standards</b>	Sika Rep Fine has been tested as per SCAQMD Rule 1168. Result: VOC Content 0 g/L	
<b>Product Data</b>		
<b>Form</b>	Powder	
<b>Colour</b>	Grey	
<b>Packaging</b>	25 kg paper bag.	
<b>Storage</b>	Dry conditions and away from sunlight.	
<b>Shelf Life</b>	12 months from date of production if stored properly in original unopened packing	
<b>Technical Data</b>		
<b>Density</b>	Fresh mortar approx. 1.9 kg/l	
<b>Mechanical strength (28 days)</b>	Compressive strength	30 – 35 N/mm <sup>2</sup>
	Flexural strength	4 – 6 N/mm <sup>2</sup>
	Adhesion	1.5 – 2.5 N/mm <sup>2</sup> (on concrete or repair mortar)
<b>Modulus of Elasticity</b>	Approx. 15'400 N/mm <sup>2</sup> (static)	
<b>Coefficient of Thermal Expansion</b>	Approx. 11X10 <sup>-6</sup> per °C	
<b>Index of Water Vapour Diffusion (μH<sub>2</sub>O)</b>	120	
<b>Index of CO<sub>2</sub> Diffusion (μCO<sub>2</sub>)</b>	350	
<b>Temperature</b>	Minimum 5°C	
<b>Thickness</b>	Minimum 0.5 mm	
	Maximum 5.0 mm per application	



## Application

<b>Mixing Ratio</b>	Add 26 – 28% water to the dry powder or 6.5 – 7.0 litre water per 25 kg bag, depending on consistency required.
<b>Surface Preparation</b>	Substrate must be sound, free from dust, loose particles, cement laitance, curing compounds, oil, grease or any other contamination.
<b>Mixing</b>	Pour water in given quantity into the mixing container. Add powder while mixing continuously. Use low speed electric mixers (max. 500 RPM) for 3 minutes avoiding entrapping of air. By adding the powder in portions, the desired application consistency can be obtained.
<b>Application</b>	Prewet substrate to saturated surface dry condition (SSD) prior to application. Sika Rep Fine® 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, styrofoam block or sponge. No additional water must be used as it may lead to discoloration, if not evenly applied.
<b>Curing</b>	Where ambient conditions may lead to rapid surface drying, the use of light water fogging for 48h, hessian or a suitable water based curing compound is recommended. Do not commence fogging until initial set has been reached typically 1-2 hours.
<b>Remarks</b>	<ul style="list-style-type: none"> <li>■ Sika Rep Fine® should not be used at temperature below 5°C.</li> <li>■ At ambient temperatures above 35°C, the material should be stored in the shade. Use chilled water for mixing</li> <li>■ Sika Rep Fine® may be over-coated with Sikagard ElastoColor® -W, Sikagard® -680S, Sikagard® -550W Elastic and all Sika® Top and Mono Top products</li> </ul>
<b>Cleaning</b>	Application and mixing tools should be cleaned with water while material is still fresh. Hardened material can only be removed mechanically.
<b>Pot Life (25 °C)</b>	35 - 45 minutes.

## Safety instructions

<b>Safety Precautions</b>	Normal precaution, as with any cementitious materials, should be taken. In contact with eyes or skin product may cause irritation. In case of contact rinse with plenty of water and seek medical help.
<b>Ecology</b>	Do not dispose of into water or soil but according to local regulations.
<b>Transport</b>	Non-hazardous.
<b>Toxicity</b>	Non-Toxic under relevant Swiss health and safety codes.

## 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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