

# Sikacrete® Floor Level

High performance cementitious, self levelling, underlayment

<b>Description</b>	Sikacrete® Floor Level is a one part, polymer modified, pumpable self levelling high performance cementitious underlayment for the levelling and smoothing of interior floors prior to the application of the final floor finish such as ceramic tiles, carpets, parquet / wood flooring, vinyl, etc.				
<b>Uses</b>	Sikacrete® Floor Level can be applied manually or by pump to level floors.  Sikacrete® Floor Level used for surface levelling of new floor or floor renovation, at high rise building, exhibition hall, auditorium, mall, residential, etc.				
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"> <li>■ Fast application because of the very good flow and cohesion of the fresh product .</li> <li>■ Very good bond and high mechanical strengths</li> <li>■ Very good surface appearance and hardness</li> <li>■ Capable of levelling surfaces from min. 3 mm – max. 20 mm (up to 20 mm with added aggregate, max. 20%)</li> </ul>				
<b>Application Instructions</b>					
<b>Substrate Preparation</b>	<p>The surface must be sound, has a sufficiently rough texture, dry and free of all contaminants e.g. dirt, oils, grease, coatings and surface treatments etc. The Concrete substrates must be prepared mechanically using grinding machine, vacuum cleaner, etc.</p> <p>The concrete substrate of sufficient compressive strength (min. 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.</p> <p>New concrete should be at least 14 days old before applying Sikacrete® Floor Level.</p>				
<b>Priming</b>	A suitable one part acrylic primer such as Sikatop® 77 D atau Sikalutex® with cement = 1 : 1 can be used to ensure sealing of the substrate to prevent the appearance of bubbles on the underlayment surface and improve the bond to the substrate.				
<b>Mixing</b>	<p>When mixing manually add the dry powder (25 kg) into a container with the clean water. The water required is 3.5 – 4.5 lt per 25 kg bag of mortar-powder. Mix thoroughly for a minimum of 3 minutes until a SSD (Saturated Substrate Dry) condition is achieved. Use an electric stirrer (&lt; 500 rpm).</p> <p>Pour the mixed material onto the primed surface and apply by trowel or pin screed rake to the required thickness. Roll thoroughly with spiked roller in two directions (for thickness &lt; 15 mm) or can use pump to remove any entrapped air, for levelling surface using tooth trowel.</p>				
<b>Curing</b>	<p>Protect the applied area from direct sunlight for at least 12 hours.</p> <p>Do not wet the surface until setting.</p> <p>Surface cracking may occur due to curing conditions, avoid over trowelling, over watering and control joint configurations.</p>				
<b>Setting Time</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">Initial</td> <td>6.5 hours</td> </tr> <tr> <td>Final</td> <td>7 hours</td> </tr> </table>	Initial	6.5 hours	Final	7 hours
Initial	6.5 hours				
Final	7 hours				



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<b>Notes on Application / Limitations</b>	<p>Do not exceed the recommended water dosage. Do not add more water when the product is starting to set. Not suitable for slopes or inclines &gt; 0.5%.</p> <p>Very absorbent substrates must be saturated with water or primed to prevent loss of the mixing water into the substrate, which can cause problems such as shrinkage, the appearance of surface pores or weak and dusty surfaces etc.</p> <p>Does not provide an aesthetic finish. Product must always be overcoated.</p>
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## Product Data

<b>Form</b>	Powder, light grey
<b>Density</b>	1.46 kg/ltr (dry) 2.17 kg / lt (wet)
<b>Dosage of Water</b>	3.5 – 4.5 ltr / 25 kg bag
<b>Layer Thickness</b>	min 3 mm max 20 mm (up to 20 mm with added aggregate, max. 20%)
<b>Consumption</b>	1.9 kg / m <sup>2</sup> per mm thickness.
<b>Compressive Strength 28 days</b>	> 35 N/mm <sup>2</sup> (ASTM C-109)
<b>Flexural Strength 28 days</b>	> 6 N/mm <sup>2</sup> (ASTM C-348)
<b>Bond Strength 28 days</b>	> 1.5 N/mm <sup>2</sup> (Concrete failure)
<b>Storage Conditions / Shelf Life</b>	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.
<b>Packaging</b>	25 kg / bag

## 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 product 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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