

# Sika® Screed Binder

## Pre-mixed product for screeds

<b>Positioning Description</b>	Sika Screed Binder is a product based on high strength hydraulic binders and specific additives, able to achieve quick drying, shrinkage-free indoor and outdoor screeds.		
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Formation of 3 to 10cm thick screeds in civil or industrial environments. It can be covered with tiles, parquet, resilient materials or natural stones.</li> <li>• Heating screeds, by burying radiating coils in the layer. Plasticiser additives need not to be added to the mixture when Sika Screed Binder is used.</li> </ul>		
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• No shrinkage.</li> <li>• Very good finishing.</li> <li>• Quick hardening.</li> </ul>		
<b>Product Data</b>			
<b>Appearance:</b>	Impalpable grey powder		
<b>Packaging:</b>	25 kg bags.		
<b>Storage &amp; Shelf Life:</b>	12 months in the original undamaged packaging, in dry environment.		
<b>Technical Data</b>			
<b>Pot life</b>	1 hour approx.*		
<b>Hardening/Drying times</b>	Walkable: 12 hours approx.* Laying of ceramic tiles: 24 hours approx.* Laying of natural stone or marble: 48 hours approx.** Laying of parquet: 4 days approx.*** * Times have been measured in ambient temperature +23°C and R.H. 50%. Higher temperatures reduce those times; oppositely, lower temperatures increase them. ** For stones and marbles sensitive to humidity the time must be extended to 7 days. *** Times have been measured in ambient temperature +23°C e U.R. 50%, screed thickness ≤ 5 cm and ventilation ≥ 2 m/sec.		
<b>Application temperature</b>	min. +5°C to max. +30°C		
<b>Bending strength</b>	24 hours: 3 MPa.	28 days: ≥ 6 MPa	(dosed at 250 kg/m <sup>3</sup> ) EN 13892-2
<b>Compression strength</b>	24 hours : 7.5 MPa.	28 days: ≥ 30 MPa	(dosed at 250 kg/m <sup>3</sup> ) EN 13892-2
<b>Consumption</b>	For above suggested doses: 1.8 – 2.5 kg/m <sup>2</sup> per cm of screed thickness.		
<b>Application Conditions</b>			
<b>Methods of use</b>	<p><b>Substrate preparation</b> It is possible to achieve screeds adhering to the substrate or floating on a separating layer, i.e. PVC membrane.</p> <p><b>Mixing</b> Sika Screed Binder must be mixed with clean aggregate with continuous grain size range from 0 to 8 mm in case of parquet laying. In case of tile laying the grain size can be from 0 to 5 - 6 mm. The binder dosage is established to suit the type of flooring. If tiles or natural stones must be laid the dosage is 180 - 200 kg per m<sup>3</sup> of aggregates; if parquet or resilient materials must be laid the dosage is 250 kg per m<sup>3</sup> of aggregates. The product can be blended in an ordinary concrete mixer or in a screw mixer of Turbosol type. The correct amount of water must be used in order to get a plastic, highly workable paste.</p>		



**Application**

Compressible material must be positioned all round the edges of the room and around any pillar, so as to form the insulation joint. The product must be applied in the same way as a normal cementitious screed, by preparing the level strips, which will then serve for spreading with a striker.

Float finishing must be carried out immediately after the product has been spread or within 60 minutes. When this operation is carried out, the surface of the screed can be splashed with water from a brush, so as to make the job easier and faster, especially if a machine with a steel disc is used.

Do not smooth the surface to an excessive extent if parquet flooring must be fixed to the screed, as this could lengthen the drying time.

**Cleaning of Tools**

Clean with water before hardening. Hardened product must be mechanically removed.

**Notes on Application / Limitations**

Use clean, non-dusty aggregate of the recommended size.  
In the case of parquet flooring, position the steam barrier before casting the screed.  
Before fixing the parquet, check with a carbide hygrometer to make sure that the residue humidity is < 2%.  
Do not use the product after it becomes difficult to apply. Prepare a fresh mixture.  
Do not add other binders to the product (cement, lime, gypsum, etc.).  
If the tiles are fixed within a short time (24 h), the gap between them must be at least 3-4 mm.  
Do not apply at temperatures lower than 5°C or higher than 30°C.

**Notes**

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

**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.

**Health & Safety Information****Protective Measures**

- To avoid allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work.
- Local regulations as well as health and safety advice on packaging labels must be observed.
- For further information refer to the Sika Material Safety Data Sheet which is available on [www.sika.co.nz](http://www.sika.co.nz), or on request.
- If in doubt always follow the directions given on the pack or label.

**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.

