

**Product Data Sheet**  
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Sikafloor®-2530 W

# Sikafloor®-2530 W

## 2 part water based epoxy coating

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**Product Description** Sikafloor®-2530 W is high performance coloured two part, water dispersed, solvent free, epoxy resin based coating.

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**Uses**

- Coloured epoxy coating for concrete, cement screeds, broadcast systems and epoxy mortars
- Can be subjected to normal up to medium heavy mechanical and chemical loading
- For production areas, warehouses, car park decks, garages, etc.

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**Characteristics / Advantages**

- Good chemical and mechanical resistance
- Water vapour permeable
- Solvent free
- Good adhesion to substrate
- Water dilutable
- Odourless
- Easy to apply
- Environment friendly

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### Product Data

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#### Form

**Appearance / Colours** Resin - Part A: coloured, liquid  
Hardener - Part B: translucent, liquid

Available colours: RAL 1014 (Ivory), 7001 (Silver grey), 7038 (Agate grey), 8001 (Ochre brown)

Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.

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**Packaging**

Part A:	3.5 kg x 2 containers
Part B:	1.5 kg x 2 containers
Part A+B:	5 kg x 2 ready to mix units

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#### Storage

**Storage Conditions/ Shelf-Life** 8 months from date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +35°C. Protect from frost.

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#### Technical Data

**Chemical Base** Epoxy, waterborne

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Construction



<b>Density</b>	Part A: 1.34 kg/l Part B: 1.06 kg/l Mixed: 1.26 kg/l All density values at +27°C									
<b>Solid Content</b>	~ 59% (by weight)									
<b>Mechanical / Physical Properties</b>										
<b>Abrasion Resistance</b>	Thickness loss 0.04 mm (According to IS 137-1980 and IS 9162-1979)									
<b>Resistance</b>										
<b>Chemical Resistance</b>	Resistant to many chemicals. Please ask for a detailed chemical resistance table.									
<b>Thermal Resistance</b>	<table border="1"> <tr> <td>Exposure*</td> <td>Dry heat</td> </tr> <tr> <td>Permanent</td> <td>+50°C</td> </tr> </table> <p>*No simultaneous chemical and mechanical exposure.</p>	Exposure*	Dry heat	Permanent	+50°C					
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Permanent	+50°C									
<b>System Information</b>										
<b>System Structure</b>	<i>Coating system:</i> Primer: 1-2 x Sikafloor®-2530 W + 5 % water (normal absorbent surfaces) 2 x Sikafloor®-2530 W (strongly absorbent surfaces) Seal coat : 1 - 2 x Sikafloor®-2530 W									
<b>Application Details</b>										
<b>Consumption / Dosage</b>	<table border="1"> <thead> <tr> <th>Coating System</th> <th>Product</th> <th>Consumption</th> </tr> </thead> <tbody> <tr> <td>Primer</td> <td>1-2 x Sikafloor®-2530 W +5% water</td> <td>0.15 - 0.25 kg/m<sup>2</sup></td> </tr> <tr> <td>Seal coat</td> <td>1 - 2 x Sikafloor®-2530 W</td> <td>0.2 - 0.4 kg/m<sup>2</sup>/layer</td> </tr> </tbody> </table> <p>These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.</p>	Coating System	Product	Consumption	Primer	1-2 x Sikafloor®-2530 W +5% water	0.15 - 0.25 kg/m <sup>2</sup>	Seal coat	1 - 2 x Sikafloor®-2530 W	0.2 - 0.4 kg/m <sup>2</sup> /layer
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<b>Substrate Quality</b>	<p>The concrete substrate must be sound and of sufficient compressive strength (minimum 20 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.</p> <p>The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc..</p> <p>If in doubt apply a test area first.</p>									
<b>Substrate Preparation</b>	<p>Concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface.</p> <p>Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.</p> <p>Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.</p> <p>The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.</p> <p>High spots must be removed by e.g. grinding.</p> <p>All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.</p>									

## Application Conditions / Limitations

<b>Substrate Temperature</b>	+8°C min. / +35°C max.
<b>Ambient Temperature</b>	+8°C min. / +35°C max.
<b>Substrate Moisture Content</b>	≤ 6% moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).
<b>Relative Air Humidity</b>	75% r.h. max., adequate fresh air ventilation must be provided to remove excess moisture during curing.
<b>Dew Point</b>	Beware of condensation! The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

## Application Instructions

<b>Mixing</b>	Part A : Part B = 2.33 : 1 (by weight)
<b>Mixing Time</b>	Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.
<b>Mixing Tools</b>	Sikafloor®-2530 W must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.
<b>Application Method / Tools</b>	Prior to application, confirm substrate moisture content, r.h. and dew point. If > 6% pbw moisture content, Sikafloor® EpoCem® may be applied as a Temporary Moisture Barrier (TMB) system. <i>Primer:</i> Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. When used as a primer always apply by brush. <i>Seal coat:</i> Sikafloor®-2530 W is spread evenly by means of a short pile roller. A seamless finish can be achieved if a "wet" edge is maintained during application. Uneven application of the material and resulting differences in the coating layer thicknesses may cause differences in "gloss" of the surface.
<b>Cleaning of Tools</b>	Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

## Potlife

5 kg mass

Temperature	Time
+10°C	~ 150 minutes
+20°C	~ 120 minutes
+30°C	~ 90 minutes

## Waiting Time / Overcoating

Before applying Sikafloor®-2530 W on Sikafloor®-2530 W allow:

Substrate temperature	Minimum	Maximum
+10°C	48 hours	7 days
+20°C	20 hours	5 days
+30°C	10 hours	3 days

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

When relative air humidity is  $\geq 75\%$  the waiting time is increased by at least 24 hours.

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**Notes on Application / Limitations**

Do not apply Sikafloor®-2530 W on substrates with rising moisture.

Freshly applied Sikafloor®-2530 W should be protected from damp, condensation and water for at least 24 hours.

Avoid puddles on surface with the primer.

Always ensure adequate fresh air ventilation when using Sikafloor®-2530 W in confined spaces to avoid curing problems.

The "gloss" of the finish can vary with temperature and the absorbency of the substrate.

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

For exact colour matching, ensure the Sikafloor®-2530 W in each area is applied from the same control batch numbers.

Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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**Curing Details****Applied Product ready for use**

Temperature	Foot traffic	Light traffic	Full cure
+10°C	~ 48 hours	~ 5 days	~ 10 days
+20°C	~ 20 hours	~ 3 days	~ 7 days
+30°C	~ 12 hours	~ 2 days	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions.

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**Cleaning / Maintenance****Methods**

To maintain the appearance of the floor after application, Sikafloor®-2530 W must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

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**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.

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**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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**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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