

PRODUCT DATA SHEET

Sikafloor®-2530 W LP

2-PART WATER BASED EPOXY SEALER COAT

DESCRIPTION

Sikafloor®-2530 W LP is a water dispersed, solvent free, coloured, silky matt-finish, two part epoxy resin based coating.

USES

Sikafloor®-2530 W LP may only be used by experienced professionals.

- Coloured sealer coat for concrete and cementitious substrate
- Can be subjected to normal up to medium heavy mechanical and chemical loading

- For production areas, warehouses, car park decks, garages, food processing area, laboratories, storage areas, breweries, tunnel walls, decontaminable areas, pharmaceutical, etc.

CHARACTERISTICS / ADVANTAGES

- Good chemical and mechanical resistance
- Water vapour permeable
- Solvent free
- Water dilutable
- Odourless
- Easy application

PRODUCT INFORMATION

Chemical Base	Epoxy, waterborne		
Packaging	Part A+B : 18 kg ready to mix units		
Appearance / Colour	Resin - part	A : Coloured, Liquid	
	Hardener - part	B : Transparent. Liquid	
	Available only in the following standard colours : RAL 7032, 7030, 1001, 6010 & 6011 (refer to standard colour chart). Prior to selecting the colour for Sikafloor® 2530 W, sample trial is highly recommended. Under direct UV exposure (sun, lamp, skylight, etc.) there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.		
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging		
Storage Conditions	Dry conditions at temperatures between +18 °C and +30 °C.		
Density	Part A:	~1.28 kg/L	(DIN EN ISO 2811-1)
	Part B:	~1.09 kg/L	(at +23 °C)
	Mixed resin (A+B):	~1.22 kg/L	
Solid content by weight	~55 % (by weight)		

TECHNICAL INFORMATION

Chemical Resistance Resistant to many chemicals. Please ask for a detailed chemical resistance table.

Thermal Resistance

Exposure*	Dry heat
Permanent	+50 °C
Short-term max. 7 days	+80 °C
Short-term max. 8 hours	+100 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasional (i.e. during steam cleaning etc.)
*With no simultaneous chemical attack.

SYSTEM INFORMATION

Systems	Surface	Normal Exposure	Heavier Exposure
Normal Absorbent		1 x Sikafloor®-2530 W LP (+5 % addition of water if necessary)	1 X Sikafloor®-161 HC 3 x Sikafloor®-2530 W LP
		2 x Sikafloor®-2530 W LP	
Strongly Absorbent		1 x Sikafloor®-161 HC 2 x Sikafloor®-2530 W LP	1 x Sikafloor®-161 HC 3 x Sikafloor®-2530 W LP

In case of high aesthetic or in certain light colour shade, the total top coats can be increased to 3 coats with total consumption of not less than 0.35 kg/m². Waiting times during application may lead to visible markings.

APPLICATION INFORMATION

Mixing Ratio Part A : part B = 70 : 30 (by weight)

(+27 °C, 75 % r.H.)

Consumption	Coating System	Product	Consumption
Priming		Sikafloor®-161 HC	~0.3 kg/m ²
		Sikafloor®-2530 W LP (+5 % water)	0.15 - 0.25 kg/m ²
Top coat		2 - 3 x Sikafloor®-2530 W LP	0.1 - 0.15 kg/m ² /layer

These figures are theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

Ambient Air Temperature +10 °C min. / +30 °C max.

Relative Air Humidity 80 % r.h. max., adequate fresh air ventilation must be provided to remove excess moisture during curing.

Dew Point 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.

Substrate Temperature +10 °C min. / +30 °C max.

Substrate Moisture Content < 6 % pbw moisture content.
Test method: Sika-Tramex meter or CM - measurement.
No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life	Temperature	Time
	+20 °C	90 - 120 min
	+30 °C	30 - 60 min

Curing Time

Before applying Sikafloor®-2530 W LP on Sikafloor®-161 HC allow:

Substrate temperature	Minimum	Maximum
+20 °C	~12 h	~48 h
+30 °C	~6 h	~36 h

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

Substrate temperature	Minimum	Maximum
+20 °C	~15 h	~5 d
+30 °C	~12 h	~3 d

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

When the relative air humidity is $\geq 80\%$ the waiting time should be increased by 24 hours.

Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+20 °C	~36 h	~3 d	~7 d
	+30 °C	~12 h	~2 d	~5 d

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. If in doubt apply a test area first.

SUBSTRATE PREPARATION

- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- Repairs to substrate, filling of blowholes / voids and surface levelling can be carried out using appropriate products from the Sika EpoCem® and SikaDur® range of materials.
- The concrete or screed substrate has to be primed or levelled up in order to achieve an even surface.
- High spots must be removed by e.g. grinding.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum

MIXING

Prior to mixing stir part A mechanically. When all of part B has been added to part A, continuously mix 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 minimize air entrainment.

Sikafloor®-2530 W LP must be mechanically mixed using an electric power stirrer (300–400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point.

If $> 6\%$ pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system.

Primer

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.

Coating

Sikafloor®-2530 W LP is spread evenly by means of a short pile roller.

A seamless finish can be achieved if a "wet" edge is maintained during application.

Sikafloor®-2530 W LP can also be applied by airless spray (spray pressure ~300 bar, nozzles with a diameter of 0.53 mm / 0.021 inch and a spray angle 60°)

Uneven application of the material and resulting differences in the coating layer thicknesses may cause differences in "gloss" of the surface.

CLEANING OF TOOLS

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

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-2530 W LP 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.

LIMITATIONS

- Under direct UV exposure (sun, lamp, skylight, etc.) there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating. Application of Sikafloor®-2530 W LP should be applied at evening until midnight to minimize discolouring.
- As waterborne epoxy based material application is very sensitively with humidity, temperature, curing & application time different may cause of different shade.
- Do not apply Sikafloor®-2530 W LP on substrates in which significant vapour pressure may occur.
- Freshly applied Sikafloor®-2530 W LP should be protected from damp, condensation and water for at least 24 hours.
- Avoid pinholes on surface with the primer.
- Always ensure adequate fresh air ventilation when using Sikafloor®-2530 W LP in confined spaces to avoid curing problems.
- The "silky matt" 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 LP in each area is applied from the same control batch numbers and same day.
- For spray application the use of protective health & safety equipment is mandatory!

BASIS OF PRODUCT DATA

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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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.