

Sikafloor®-2530 W (au)

2-part water based epoxy coating

Product Description

Sikafloor®-2530 W (au) is a two part, water dispersed, coloured, epoxy resin based coating.

Uses

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

Characteristics / Advantages

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

Product Data

Form

Appearance / Colours

Resin - part A: coloured, liquid
Hardener - part B: transparent, liquid

Available in various colour shades including the following:

RAL 1001 Beige, RAL 7037 Dusty Grey, RAL 7035 Light Grey, RAL 5015 Sky Blue, RAL 7001 Silver Grey, RAL 9003 Signal White, N45 Koala Grey

With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-2530 W (au) to achieve full opacity (hiding power).

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

Construction



Packaging 10 kg kit (Part A 7.05 kg + Part B 2.95 kg). Approx. 8.2 Litres

Storage

**Storage Conditions/
Shelf-Life** 12 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.

Technical Data

Chemical Base Epoxy, waterborne

Density Mixed Resin: 1.22 kg/l (DIN EN ISO 2811-1)
All Density values at +23°C

Solid Content ~ 43% (by volume) / ~ 55% (by weight)

**Theoretical DFT
(Microns per coat)** 30-35

Number of coats 2 to 3 normally

**Consumption /
Coverage** 5-7m² / litre per coat

Mechanical / Physical Properties

Abrasion Resistance 54 mg (CS 10/1000/1000) (14 days / +23°C) (DIN 53 109 (Taber Abrader Test))

Resistance

Chemical Resistance Resistant too many chemicals. Consult Sika's Technical Department.

Thermal Resistance

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

Short-term moist/wet heat* up to +80°C where exposure is only occasional (i.e. during steam cleaning etc.)

*No simultaneous chemical and mechanical exposure.

System Information

System Structure *Coating system:*
Primer: 1 x Sikafloor®-156
Seal coat smooth: 1 - 2 x Sikafloor®-2530 W (au)
Seal coat textured: 1 - 2 x Sikafloor®-2530 W (au) + 2 wt.-% Sikadur®-513

Seal coat for broadcast systems:
2 x Sikafloor®-2530 W (au)

Note: For heavier exposure use Sikafloor®-156 for priming and a two-layer coating with Sikafloor®-2530 W (au).

Application Details

Consumption / Dosage

Coating System	Product	Consumption
Primer	Sikafloor®-156	0.3 - 0.5 kg/m ² or 2-3m ² /litre
Seal coat smooth	1 - 2 x Sikafloor®-2530 W (au)	0.2 - 0.3 kg/m ² /layer or 5-7m ² /litre
Seal coat textured	1 - 2 x Sikafloor®-2530 W (au) + 2% by weight Sikadur®-513	0.2 - 0.3 kg/m ² /layer or 5-7m ² /litre
Seal coat for broadcast systems	2 x Sikafloor®-2530 W (au)	0.4 - 0.6 kg/m ² (Total of 2 coats)

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

Substrate Quality

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 an open textured surface.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

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.

The concrete or screed substrate has to be primed or levelled 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.

Application Conditions / Limitations

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

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

Substrate Moisture Content ≤ 6% pbw moisture content.

Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method.

No rising moisture according to ASTM (Polyethylene-sheet).

Relative Air Humidity 75% 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.

Application Instructions

Mixing Part A : part B = 70.56 : 29.44 (by weight), 2 : 1 (by volume)

Mixing Time 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.

Mixing Tools Sikafloor®-2530 W (au) must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Application Method / Tools 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.

Seal coat:
Sikafloor®-2530 W (au) 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.

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

Potlife

Temperature	Time
+10°C	~ 120 minutes
+20°C	~ 90 minutes
+30°C	~ 60 minutes

Waiting Time / Overcoating

Before applying Sikafloor®-2530 W (au) on Sikafloor®-156 allow:

Substrate temperature	Minimum	Maximum
+10°C	24 hours	4 days
+20°C	12 hours	2 days
+30°C	6 hours	1 day

Before applying Sikafloor®-2530 W (au) on Sikafloor®-2530 W (au) 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.

Notes on Application / Limitations

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

Freshly applied Sikafloor®-2530 W (au) 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 (au) 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 (au) in each area is applied from the same control batch numbers.

For spray application the use of protective health & safety equipment is mandatory!

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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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	~ 10 hours	~ 2 days	~ 5 days

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

Cleaning / Maintenance

Methods

To maintain the appearance of the floor after application, Sikafloor®-2530 W (au) 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.

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.

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.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

