

PRODUCT DATA SHEET

Sikafloor®-530

Polyaspartic fast setting UV-stable flooring top coat

DESCRIPTION

Sikafloor®-530 is a 2-part polyaspartic coloured UV-stable flooring resin. It provides a colour stable, hard wearing top coat over aggregate broadcast epoxy, polyurethane, polyurea-hybrid and polyurea resin floors.

USES

Sikafloor®-530 may only be used by experienced professionals.

The Product is used as a:

- Fast-curing top coat where high wear resistance, good colour retention when exposed to UV-radiation and good chemical resistance is required. Particularly suited for car park applications.
- Fast-curing maintenance coating for balconies and walkways, car parks and line marking applications.
- Primer when overcoated by itself.

CHARACTERISTICS / ADVANTAGES

- Low odour
- Low VOC emissions
- High abrasion resistance
- Very good resistance to permanent UV exposure
- Easy to apply
- Fast curing increases productivity and saves time

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material

PRODUCT INFORMATION

Chemical Base	Part A	Polyaspartic
	Part B	Isocyanate
Packaging	Container Part A	6.7 kg
	Container Part B	3.3 kg
	Container Part A + Part B	10.0 kg
Refer to the current price list for available packaging variations.		
Appearance / Colour	Part A	Coloured liquid
	Part B	Transparent liquid
	Cured appearance	Semi gloss
	Cured colour	Limited colour range, approximate shades: RAL 7030, 7032, 7035, 7021, 7042, 7043, 7037, 3002, 1021, 6029, 5017, 9010
Shelf Life	12 months from date of production	

Storage Conditions

The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.

Refer to the current Safety Data Sheet for information on safe handling and storage.

Density	Part A	1.42 kg/l	(EN ISO 2811-1)
	Part B	1.12 kg/l	
	Mixed Product	1.3 kg/l	

Solid Content by Weight 100 %

Solid Content by Volume 100 %

TECHNICAL INFORMATION

Abrasion Resistance	Cured 7 days at +23 °C	~99 mg (CS10 / 1000 / 1000)	(EN ISO 5470-1)
	Cured 7 days at +23 °C	~126 mg (CS17 / 1000 / 1000)	

Service Temperature Permanent +70 °C

APPLICATION INFORMATION

Mixing Ratio Part A : Part B (by weight) 67 : 33

Consumption
Smooth surfaces ~0.3 kg/m²
Broadcast surfaces ~0.7 kg/m²

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Product Temperature
Maximum +35 °C
Minimum +8 °C

Ambient Air Temperature
Maximum +35 °C
Minimum +8 °C

Relative Air Humidity
Maximum 80 %
Minimum 50 %

Dew Point Beware of condensation.
The substrate and uncured applied floor material must be at least +3 °C above dew point.

Substrate Temperature
Maximum +35 °C
Minimum +8 °C

Pot Life
+10 °C 20 minutes
+20 °C 20 minutes
+30 °C 20 minutes

Curing Time	Temperature	Wet film thickness	Relative humidity	Foot traffic	Full traffic
	+8 °C	0.3 mm	60 %	3 hours	6 hours
+20 °C	0.3 mm	60 %	3 hours	6 hours	
+30 °C	0.3 mm	60 %	3 hours	6 hours	

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.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

MIXING EQUIPMENT

- Electric double paddle mixer (>700 W, 300 to 400 rpm)

APPLICATION EQUIPMENT

- Fleece roller
- Squeegee

SUBSTRATE QUALITY

The applied broadcast resin floor (epoxy, polyurethane, polyurea-hybrid and polyurea resin) the surface must be tack free, clean and dry. Any dirt, dust and contamination must be completely removed before application of the product using vacuum extraction equipment.

SUBSTRATE PREPARATION

EXISTING COATING

1. Prepare the surface of the existing coating using mechanical grinding equipment.
2. Remove dust and contamination from the prepared surface using vacuum extraction equipment.

MIXING

TOP COAT MIXING PROCEDURE

1. Mix Part A (resin) until the coloured pigment is dispersed and a uniform colour is achieved.
2. Add Part B (hardener) to Part A.
3. **IMPORTANT** Do not mix excessively. Mix Part A + B continuously for ~3 minutes until a uniformly coloured mix is achieved.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the ac-

tual site conditions.

IMPORTANT

Protecting the material after application

After application, protect the Product from damp, condensation and direct water contact for at least 3 hours.

IMPORTANT

Damp or wet substrates

Do not apply on damp or wet substrates.

IMPORTANT

Ensuring consistent colour matching

For consistent colour matching, make sure the Product in each area is applied from the same control batch numbers.

SEAL COAT FOR BROADCAST SURFACES

1. Pour the mixed Product onto the substrate.

Note: The consumption is specified in Application Information.

2. Spread the Product evenly over the surface with a squeegee.

3. Back roll the surface in two directions at right angles with a fleece roller.

Note: Maintain a "wet edge" during application to achieve a seamless finish.

Opacity of light colour shades

Note: Light colour shades might require several coats of the Product to achieve full opacity of the coating.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically.

To prevent the nozzle from blocking, regularly clean the spraying equipment during application.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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