

PRODUCT DATA SHEET

Sikafloor®-550 PA

Abrasion and UV Resistant Polyaspartic Resin Coating

DESCRIPTION

Sikafloor®-550 PA is a clear and pigmented 2-component polyaspartic technology with a high solids, low viscosity, high strength, fast cure, UV and abrasion resistant resin coating.

USES

Sikafloor®-550 PA may only be used by experienced professionals.

Sikafloor®-550 PA is used in:

- Automotive workshops
- Clean rooms
- Amenities areas
- Educational trade facilities
- General commercial premises

CHARACTERISTICS / ADVANTAGES

- Finish coat for Sikafloor floor coating systems
- Totally UV stable
- Low VOC
- Excellent chemical / abrasion resistance
- Fast cure turn around time

PRODUCT INFORMATION

Composition	Aliphatic Polyurea		
Packaging	8 litres & 40 litres kits		
Appearance / Colour	Sikafloor®-550 PA is available in Clear and Pigmented - N45 Koala Grey, other RAL colours available on request.		
Shelf life	12 months from date of production		
Storage conditions	The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.		
Density		Clear	Pigmented (DIN EN ISO 2811-1)
	Part A	~ 1.07 kg/l	~ 1.36 kg/l
	Part B	~ 1.05 kg/l	~ 1.05 kg/l
	Mix resin	~ 1.06 kg/l	~ 1.13 kg/l
	All density values at +23°C		

Solid content	~85%
Mixing ratio	Clear - Part A:Part B = 1:1 (by weight) Pigmented - Part A:Part B = 1.2:1 (by weight) Part A:Part B = 1:1 (by volume)
Consumption	Approx. 5 - 8 m ² per litre per coat <i>*Consumption depends on surface profile and texture of the Sikafloor system being coated.</i>
Ambient air temperature	+2 °C min. / +25 °C max.
Pot Life	Approx. 40 mins at ±23°C
Curing time	Approx. 24 hrs at ±23°C
Waiting time to overcoating	Approx. 6 hours at ±23°C

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.

FURTHER INFORMATION

Sikafloor®-550 PA may be used as part of many other decorative Sikafloor finishing systems for interior and exterior applications, including flake flooring. Please consult the Sika Technical Department for specific application in conjunction with other flooring system.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull off strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

Sikafloor®-550 PA is a finish coat system, should not be applied directly to substrate. Please consult with Sika Technical for further advice.

MIXING

Prior to mixing, premix Part A mechanically until homogeneous (1-2 minutes) at low speed. Pour the Part B into the Part A/colour, mix continuously for 1 minute until a uniform mix has been achieved. Only mix as much as is likely to be used within the pot life of the product. Pot Life will be reduced by excessive or high speed mixing and by high humidity. Do not seal the lid on mixed product as the heat of reaction causes pressure build up.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Apply Sikafloor®-550 PA by brush, roller or spray. Ensure that buckets and application tools are clean and dry before use. Avoid over-rolling the roller in the tray or on the floor as this encourages viscosity increase.

First Coat:

Apply Sikafloor®-550 PA at a rate of 5-6 m² per litre. Use of thinner is not recommended – once the mixed product becomes difficult to pour it should be discarded. If a textured or antislip surface is required apply at 5 m² per litre and then sprinkle apply appropriate graded aggregate (e.g. 0.5mm antislip aggregate). Allow 6 hrs drying then remove excess anti-slip with broom or vacuum. High Humidity can reduce the available time for consistent application, as well as shortening the drying and cure times.

Second Coat:

Do not apply second coat outside of recoat window (6-18 hrs). After 18 hours the floor may no longer accept a second coat without the possibility of delamination – sanding is then advised to roughen up the surface and promote inter-coat adhesion. Mix and Apply Sikafloor®-550 PA uniformly at a rate of 6-8 m² per litre using clean bucket and mixer. Allow 12 hours cure time before subjection to pedestrian traffic, 24 hrs for vehicular traffic and 2 days before subjecting to chemicals or severe abrasion.

Note: Coverage in rates in excess of the maximum listed may result in the product failing to fully cure.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

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

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Product Data Sheet

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