

PRODUCT DATA SHEET

Sikafloor®-3150

Abrasion Resistant Aliphatic Polyurethane Seal Coat.

DESCRIPTION

Sikafloor®-3150 is a three or four parts, high solids, low voc, excellent abrasion resistant, polyurethane thin coating.

USES

Sikafloor®-3150 may only be used by experienced professionals.

- Seal coat for Sikafloor self-leveling coating system.
- Commercial areas requiring decorative performance and wear resistant coatings.

CHARACTERISTICS / ADVANTAGES

- High Solids
- Low voc
- Excellent abrasion, wear, impact resistances
- Good UV resistance, non-yellowing
- Slightly textured surface
- Good Chemical Resistance
- Available un-pigmented (3 parts) and pigmented (4 parts)

APPROVALS / STANDARDS

Meet to the requirements of GB/T 22374

PRODUCT INFORMATION

Product Declaration	PUR	
Packaging	Un-Pigmented Set	Pigmented Set
	Part A: 2.83 kg	Part A: 2.83 kg
	Part B: 0.42 kg	Part B: 0.42 kg
	Part C: 2.13 kg (filler)	Part C: 2.13 kg (filler)
	Part A+ B+C 5.38 kg/set	Part D: 0.62 kg(pigment pack)
	Part A+ B+C+D 6.0kg/set	
Shelf Life	12 months from date of production.	
Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.	
Appearance / Colour	Sikafloor®-3150 is semi-gloss after final curing. Sikafloor®-3150 is available either transparent or colours.	
Density	Part A	~ 1.14 kg/l
	Part B	~ 0.99 kg/l
	Part C	~ 4.0 kg/l
	Part D	~ 2.0 kg/l
	Mixed Resin	~ 1.6 kg/l (all 3 or 4 components)
All Density values at +23°C.		

Volatile Organic Compound (VOC) Content	< 60g/l	GB/T 22374
Abrasion Resistance	~0.006g	GB/T 22374
Gloss level	Semi glossy	
Coefficient of Friction	>0.5(Dry friction coefficient)	GB/T 22374
Chemical Resistance	Resistant to many chemicals. Please ask for a detailed chemical resistance table.	

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B: Part C: Part D = 100 : 15 : 75 : 22 (by weight)																		
Consumption	~0.13kg/m ²																		
Layer Thickness	~0.08mm																		
Ambient Air Temperature	+15°C min. / +30°C max																		
Relative Air Humidity	30% min. - 75% max.																		
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3°C above the dew point to reduce the risk of condensation or blooming on the floor finish.																		
Substrate Temperature	+15°C min. / +30°C max.																		
Waiting Time / Overcoating	Before applying Sikafloor®-3150 on Sikafloor® self-leveling series allow: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Substrate Temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10°C</td> <td>30 hours</td> <td>4 days</td> </tr> <tr> <td>+20°C</td> <td>24 hours</td> <td>3 days</td> </tr> <tr> <td>+30°C</td> <td>16 hours</td> <td>2 days</td> </tr> </tbody> </table> Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			Substrate Temperature	Minimum	Maximum	+10°C	30 hours	4 days	+20°C	24 hours	3 days	+30°C	16 hours	2 days				
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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.

LIMITATIONS

- Freshly applied Sikafloor®-3150 must be protected from damp, condensation and water for at least 24 hours (+20°C).
- Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealers coats. Therefore substrate and adjacent areas must be cleaned thoroughly prior to application.
- Do not use on exterior, on-grade substrates.
- Do not thin this product. Addition of thinners will slow the cure and reduce the ultimate properties of this product.
- For exact color matching, ensure the Sikafloor®-3150

in each area is applied from the same control batch numbers.

- 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.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

EQUIPMENT

Sikafloor®-3150 must be thoroughly mixed using a electric stirrer or other suitable equipment.

SUBSTRATE QUALITY / PRE-TREATMENT

- The Sikafloor self-leveling coating system shall be ap-

- plied onto a concrete substrate that must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Pull-off strength must be not less than 1.5 N/mm². If in doubt, apply a test area first. (please consult related Sikafloor range product data sheets for details on required substrate quality)
- The Sikafloor self-leveling coating shall be cured and perfectly clean, sound and dry prior application of Sikafloor®-3150.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.
- Prior application of Sikafloor®-3150 onto epoxy/ PU substrate, it is recommend to rough slightly the surface with light abrasive pads (i.e Scotch-Brite pads) and then remove all loose adhering particles.

MIXING

- Do not mix more material than can be applied within the working time limits at the actual site temperature.
- Empty completely the Part A, into a clean mixing container large enough to accommodate the whole set.
- Then with a Jiffy mix paddle and drill, add the Part B.
- Mix at low speed for 1 minute.
- Then, if pigmented version is required, add the part D. Mix for further 2 minutes.
- Finally, add slowly (don't dump!) the part C (filler for textured surface) while mixing to avoid clumping. Mix for 2 minutes.
- 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.

Note: Part C must be mixed in Un-Pigmented Set and Pigmented Set.

APPLICATION

- Prior to application confirm relative air humidity and dew point.
- The floor should be divided into section sections that can be completed without stopping.
- Section should be divided at expansion joints or doorways when possible. The End of the section should be taped off to form a straight line providing a clean edge for an adjacent section.
- Pour the mixture of Sikafloor®-3150 onto the application area, and spread it uniformly with smooth trowel. In order to get better appearance, texture and uniform glossy, the wet film thickness must be controlled in approx. 0.08mm.
- Then, immediately, back roll the material using short pile roller. The roller should be wet in the roller tray

or bucket wet and the excess coating is removed to avoid drips.

- If applied too thick, the material may blister, or have roller marks, if too thin; the coating will appear very flat in sheen.

CLEANING OF TOOLS

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

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-3150 must have all spillages removed immediately and be regularly cleaned.

Please refer to the Sika Cleaning Regime.

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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Product Data Sheet

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