BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-315

Abrasion Resistant Aliphatic Polyurethane Top Coat

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Sikafloor®-315 is a three or four part, abrasion resistant, aliphatic polyurethane based textured coating.

USES

Sikafloor®-315 may only be used by experienced professionals.

- As a seal coat for Sikafloor series product.
- For high traffic areas requiring wear resistant coatings.

CHARACTERISTICS / ADVANTAGES

- High solids
- Excellent abrasion, wear, and impact resistances
- Good UV resistance, non-yellowing
- Textured surface
- Good chemical resistance
- Available un-pigmented (3 parts) and pigmented (4 parts)

APPROVALS / STANDARDS

GB/T 22374-2018

PRODUCT INFORMATION

Chemical Base	Aliphatic Polyurethane	
Packaging	**Un-Pigmented Set**	**Pigmented Set**
	Part A: 2.83 kg/pail	Part A: 2.83 kg/pail
	Part B: 0.42 kg/pail	Part B: 0.42 kg/pail
	Part C: 2.13 kg/pail	Part C: 2.13 kg/pail
		Part D: 0.62 kg/pail
	Unit: 5.38kg/set	Unit: 6 kg/set
Appearance / Colour	Part A	Liquid, transparent
	Part B	Liquid, yellowish transparent
	Part C	Powder, white
	Part D	Paste, coloured* (*select range of colours available)
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.	

Density

Part A	~1.14 kg/l
Part B	~1.0 kg/l
Part C	~4.0 kg/l
Part D	~2.0 kg/l
Mixed Resin	~1.6 kg/l (all 4 parts)

All density values at +23°C.

Volatile organic compound (VOC) content

~100 g/l GB/T 22374-2018

TECHNICAL INFORMATION

Abrasion Resistance

<0.03 g GB/T 22374-2018

Resistance to Impact

Heavy Duty (1000 g/1 m) GB/T 22374-2018

Chemical Resistance

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

Coefficient of Friction

>0.5 (Dry friction of coefficient) GB/T 22374-2018

APPLICATION INFORMATION

Mixing Ratio

Part A : Part B: Part C: Part D = 100 : 15 : 75 : 22 (by weight)

Consumption

Coating System	Product	Consumption
Sealing of smooth surfaces	Sikafloor®-315	~ 0.08 litre (= 0.128 kg) per m² of DFT of approx. 0.08 mm

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.
Lower consumption can cause roller marks, gloss differences and irregular surface structure, higher consumption result in water retention.

Product Temperature

+10°C min. / +30°C max.

Ambient Air Temperature

+10°C min. / +30°C max.

Relative Air Humidity

30% min. - 75% max.
During curing the humidity should not exceed 75 % max. Adequate fresh air ventilation must be provided to remove the excess moisture from the curing product.

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

+10°C min. / +30°C max.

Waiting Time / Overcoating

Before applying Sikafloor®-315 onto a Sikafloor® epoxy system allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	4 days
+20°C	24 hours	3 days
+30°C	16 hours	2 days

Applied Product Ready for Use

Temperature	Tack Free	Light traffic	Full cure
+10°C	~ 30 hours	~ 48 hours	~ 6 days
+20°C	~ 16 hours	~ 24 hours	~4 days
+30°C	~ 12 hours	~ 18 hours	~3 days

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

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®-315 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 sealer 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. The addition of thinners will slow the cure and reduce the ultimate properties of this product.
- If heating is required, do not use gas, oil, paraffin or other fossil fuel heaters as these produce large quantities of both CO^2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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

EQUIPMENT

Sikafloor®-315 must be thoroughly mixed using an electric stirrer or other suitable equipment.

SUBSTRATE QUALITY / PRE-TREATMENT

- The Sikafloor epoxy coating shall be applied 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 MPa. If in doubt, apply a test area first. (Please consult related Sikafloor range product data sheets for details on required substrate quality.)
- The Sikafloor epoxy coating shall be cured and perfectly clean, sound and dry prior application of Sikafloor®-315.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.
- Prior to the application of Sikafloor®-315 onto the epoxy substrate, it is recommended to roughen slightly the surface with light abrasive pads (i.e Scotch-Brite pads) and then remove all loose adhering particles.

MIXING

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

APPLICATION

- Prior to application, confirm relative air humidity and dew point.
- The floor should be divided into sections that can be completed without stopping. Sections 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®-315 onto the application area, and spread it uniformly with a smooth trowel. In order to get a better appearance, texture and uniform gloss, the wet film thickness must be controlled to approx. 0.08 mm.
- Then immediately back roll the material using a short pile roller. The roller should be wet in the roller tray or bucket and the excess coating 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®-315 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.

Sika (NZ) Limited
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz