

PRODUCT DATA SHEET

Sikafloor®-2040

Acrylic water based resin floor coating

DESCRIPTION

Sikafloor®-2040 is a 1-part coloured water based acrylic thixotropic floor coating for asphalt substrates. The coating provides a thick seamless, smooth semi-gloss finish for surfaces that are suitable for sports flooring, demarcation areas and light wheeled traffic exposure. Varying thickness's can be achieved from 2,0–3,0 mm. Internal and external use.

USES

Sikafloor®-2040 may only be used by experienced professionals.

- Durable coating for sports flooring
- Durable coating for bike lanes
- Residential garage floors
- Primer for Sikafloor®-2100

CHARACTERISTICS / ADVANTAGES

- Easy application
- Good abrasion resistance
- Available in different colours
- Suitable for asphalt substrates

PRODUCT INFORMATION

Chemical Base	Acrylic water-based resin with selected fillers.
Packaging	20 kg containers
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.
Appearance / Colour	Smooth semi-gloss finish Available colours: red (~RAL 3009), green (~RAL 6001), grey (~RAL 7015). Applied colours selected from colour charts will be approximate. It is recommended that applied colour samples must be compared against colour chart colours under the same lighting conditions before final selection. When product is exposed to direct sunlight there may be some discolouration and colour variation, this has no influence on the function and performance of the coating.
Density	~ 1,7 kg/l (at +23 °C)

Solid content by weight ~74 %

Solid content by volume ~45 %

TECHNICAL INFORMATION

Abrasion Resistance ~82 mg (CS 10/1000/1000) (8 days/ +23 °C) (DIN 53109)(Taber Abrader Test)

SYSTEM INFORMATION

Systems Refer to the System Data Sheet Sikafloor® MultiCoat AB-11

APPLICATION INFORMATION

Consumption	Primer	Refer to Sikafloor® MultiCoat AB-11 System Data Sheet
	Coating	1 × 2 kg/m ²

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

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

Relative Air Humidity 80 % r.h. max.

Dew Point Beware of condensation
The substrate and uncured floor material temperature 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.

Substrate Moisture Content Substrate must be dry.

Pot Life	Temperatures	Time
	+10 °C	~60 minutes
	+20 °C	~30 minutes
	+30 °C	~15 minutes

Curing Time Before applying Sikafloor®-2100 on Sikafloor®-2040 allow:

Substrate temperature	Minimum	Maximum
+10 °C	12 hours	72 hours
+20 °C	6 hours	48 hours
+30 °C	4 hours	24 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.

FURTHER DOCUMENTS

Substrate quality & Preparation

Refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".

LIMITATIONS

- After application product must be protected from damp, condensation and water contact (rain) for at least 24 hours.

- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking on the surface.
- For exact colour matching, ensure the Sikafloor®-2040 in each area is applied from the same control batch numbers.

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maxim-

um allowed content of VOC (product category IIA / i type WB) is 140 g/l (Limits 2010) for the ready to use product. The maximum content of Sikafloor®-2040 is < 140 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Asphalt substrate must be sound and with a minimum tensile strength of 1,5 N/mm².

Substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

Substrate must be prepared mechanically using suitable abrasive blast cleaning or planing / scarifying equipment to achieve an open textured gripping surface profile suitable for the product thickness.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum cleaning equipment.

MIXING

Sikafloor®-2040 is supplied ready for use. Before application, mix for 2 minutes using a low speed single paddle electric stirrer (300–400 rpm) or other suitable equipment to mix the liquid and all the coloured pigment until a uniform colour has been achieved.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point.

Pour mixed Sikafloor®-2040 onto prepared substrate and spread evenly using a rubber trowel to the required thickness.

CLEANING OF TOOLS

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

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.

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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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