BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor® BC 375 NAS

Two-part, pigmented, anti-static, solvent-free, low emission, self-smoothing PU coating with crack bridging properties

DESCRIPTION

Sikafloor® BC 375 NAS is an anti-static, solvent-free, low emission, pre-filled, two-part self-smoothing polyurethane floor coating.

USES

Sikafloor® BC 375 NAS is used as a:
• Self-smoothing, electrostatically conductive wearing layer
Sikafloor® BC 375 NAS is used on the following substrates:
• Concrete and cementitious substrates
Please note:
• The Product may only be used for interior applications.
• The Product may only be used by experienced professionals.

FEATURES

- low emission according to AgBB
- conductive floor coating
- static crack bridging properties
- exhibits excellent mechanical and anti-static properties
- good abrasion resistance
- easy to clean and maintain
- yellowing, when used in UV-exposed areas, does not impair the technical properties of the body coat

CERTIFICATES AND TEST REPORTS

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

Packaging	Sikafloor® BC 375 NAS is supplied in 30 kg working packs. Note: Please note that the part A of Sikafloor® BC 375 NAS is the same as Sikafloor® BC 375 N part A. The conductive fibres are included in part B.
Colour	Sikafloor® BC 375 NAS is available in a wide range of RAL colours. For more information, please consult your local sales office. Note: Aromatic polyurethanes as Sikafloor® BC 375 NAS tend under UV influence (in indoor and outdoor areas) to yellowing.
Shelf life	Under the specified storage conditions the material has a shelf life of 18 months. For maximum shelf life under these conditions, see “Best before” label.
Storage conditions	Store in original drums, under dry conditions and a temperature ranging from 15 - 25°C. Do not expose to direct sunlight and keep the temperature within the above mentioned range.

Density	Part A	1.51 g/cm³
	Part B	1.22 g/cm³
	Mixed product	1.45 g/cm³

TECHNICAL INFORMATION

Shore D Hardness	Cured 28 days at +23°C	~70	(EN ISO 868)
Electrostatic behaviour	Resistance to ground	10^4 - 10^6 Ω (Ohm)	(EN 1081)

APPLICATION INFORMATION

Mixing ratio	100 : 22	
Consumption	Approx. 2.0 – 2.5 kg/m² The consumption may not be below or over the above value to ensure the conductivity. If necessary, the substrate must be pre-levelled.	
Ambient air temperature	Min.	5°C
	Max.	30°C
Relative air humidity	Max.	75%
Substrate temperature	Min.	5°C
	Max.	30°C
Pot Life	At 23°C	~30 min.
Curing time	At 23°C	~7 d
Waiting time to overcoating	Min. at 23°C	16 h
	Max. at 23°C	3 d

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

MECHANICAL SUBSTRATE PREPARATION

IMPORTANT
Surface defects due to voids in the substrate:
Voids and blow holes in the substrate will weaken the surface and damage the covering Product if not repaired during the preparation process.
1. Fully expose blow holes and voids during surface preparation to identify the required repairs.
2. Remove weak cementitious substrates.
3. Prepare cementitious substrates mechanically using abrasive blast cleaning, abrasive planing or scarifying equipment to remove cement laitance.
4. Before applying thin layer resins, remove high spots by grinding.
5. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.
6. Use products from the Sikafloor® and Sikadur® range of materials to level the surface or fill cracks, blow holes and voids.
Substrate levelling for conductive floors:
Note: The concrete or screed substrate has to be primed or levelled in order to achieve an even surface. Unevenness influences the film thickness and thus, the conductivity.
Contact Sika® Technical Services for additional information on products for levelling and repairing defects.

SUBSTRATE PREPARATION OF NON-CEMENTITIOUS SUBSTRATES

For information on substrate preparation of non-cementitious substrates, contact Sika® Technical Services.

MIXING

Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C. Mix first the part B separately in order to ensure the homogeneity of the conductive fibers. Pour the entire contents of part B into the container of part A. It is important to ensure that the component B completely runs out with the conductive fibers. If necessary, part B must be scratched out with the last conductive fibers.
DO NOT MIX BY HAND. Mix with a mechanical drill and paddle at a very low speed (ca. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. DO NOT WORK OUT OF THE ORIGINAL CONTAINER.

APPLICATION

IMPORTANT
Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
IMPORTANT
Protect from moisture After application, protect the Product from damp, condensation and direct water contact for at least 24 hours.
IMPORTANT
Uncured material reacts with water of any kind, which leads to foaming.
1. During the application, wear head and wrist bands to avoid sweat falling onto the uncured material.
IMPORTANT
Do not apply on substrates with rising moisture.
IMPORTANT
Damaged finish due to heating with fossil fuel heaters: Fossil fuel heaters powered by gas, oil or paraffin produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.
1. For temporary heating, use only electrically powered warm air blower systems. Do not use gas, oil, paraffin or other fossil fuel heaters.
IMPORTANT
Indentations in resin due to high temperature combined with high point loading: Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading may lead to indentations in the resin.
IMPORTANT
Maximum layer thickness The wearing layer must be ~1.5 mm thick. A layer that is too thick (more than 2.5 kg/m²) reduces conductivity.
SELF-SMOOTHING WEARING LAYER
Preconditions
The substrate moisture content, relative humidity and dew point are appropriate for application.
IMPORTANT
Only start the application of the Product after the conductive priming coat has completely dried tack-free.
1. Pour the mixed Product onto the surface. The consumption is specified in Application Information.
2. Apply the Product evenly over the surface with a serrated trowel or pin leveller.
3. To achieve a smooth finish, smooth the surface with the flat side of a trowel.
4. Immediately steel spike roller the surface in two directions at right angles to each other.
Note: Pass the roller once in each direction to remove trowel marks and aid air release.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

Sika Gulf B.S.C. (c)
Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC
Sika UAE LLC (Branch)
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 9200 22167
Email: info@sa.sika.com
Web: gcc.sika.com

Sika MB LLC
Oman
Tel. +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com

ISO 9001, 14001, 45001 – SGS:
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. ©
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – URS:
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.