BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor® BC 375 N

(formerly MTop BC 375N)

2-Part PU coating, pigmented, non-solvented, low emission, self-levelling

PRODUCT DESCRIPTION

Sikafloor® BC 375 N is a non-solvented, low emission, pre-filled, 2-Part self-levelling polyurethane floor coating.

USES

Sikafloor® BC 375 N is used indoors where medium to heavy traffic is required. Sikafloor® BC 375 N is suitable for applications to mineral substrates such as concrete or cement mortar floor screeds, which have been primed with a 2-Part EP primer.

CHARACTERISTICS / ADVANTAGES

• low emission according to AgBB • excellent self-levelling properties • excellent mechanical properties • abrasion resistant • hard wearing • excellent deaeration • easy to clean and maintain • statical crack bridging • good chemical resistance • yellowing, when used in UV-exposed areas, does not impair the technical properties of the body coat (the application of a pigmented top coat like Sikafloor® TC 442W is recommended to prevent the yellowing of the surface and to improve the scratch resistance)

ENVIRONMENTAL INFORMATION

Sikafloor® BC 375 N is registered in the DGNB (German Sustainable Building Council) Navigator platform and exhibits a DGNB Navigator label. The DGNB Navigator Label provides all the required information about our flooring products (product profiles) to build DGNB certified projects.

APPROVALS / STANDARDS

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 N is supplied in 30 kg working packs.
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 abovementioned range.

Colour	Sikafloor® BC 375 N 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 N tend under UV influence (in indoor and outdoor areas) to yellowing.	
Density	Part A	1,54 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)
Abrasion Resistance	Cured 28 days at +23°C	36,4 mg (CS10 / 1000 g / 1000 cycles)	(EN ISO 5470-1)
Elongation at Break	Cured 28 days at +23°C	10%	(DIN 51504)

APPLICATION INFORMATION

Mixing Ratio	100 : 22	
Consumption	Approx. 1,0 – 2,5 kg/m²	
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.
Waiting Time / Overcoating	Min. at 23°C	12 hours
	Max. at 23°C	3 days
Applied Product Ready for Use	7 days at 23°C	

VALUE BASE

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.

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.

Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit www.sika.com/pu-training.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Sikafloor® BC 375 N must be applied to primed substrates. The substrate must be load bearing, free of loose and brittle particles as well as substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants. Pre-treatment is only necessary when the re-coating interval of layer before has been exceeded.
After surface preparation the tensile strength of the substrate should exceed 1.5 N/mm2 (check with an approved pull-off tester i.e. "Herion" at a load rate of 100 N/s). The residual moisture content of the substrate must not exceed 4% (check with e.g. CM device).
The temperature of the substrate must be at least 3K above the current dew point temperature. A damp proof has to be installed and must be intact.

MIXING

Sikafloor® BC 375 N is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25 °C.
Pour the entire contents of part B into the container of part A. 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. After proper mixing to a homogeneous consistency pour the mixed parts A and B into a fresh container and mix for another minute.

APPLICATION

After mixing, Sikafloor® BC 375 N is applied to the substrate coated with a primer, using a notched trowel or scraper. The tooth size should be selected according to the required layer thickness (take care not to go below min. recommend coverage rate or to exceed max. recommend coverage rate). For challenging application conditions, the optional use of a coarse foam roller improves the final aesthetics. To remove air bubbles, spike roll 5-10 min. after application.
The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, the substrate and the application temperature should not fall below the minimum. After application, the material should be protected from direct contact with water for approx. 24h (at 20 °C). Within this period, contact with water can cause a surface bloom and/or surface tackiness, both of which must be removed.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened 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.

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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