

PRODUCT DATA SHEET

Sikafloor® BC 360

(formerly MTop BC 360)

Solvent free epoxy based coating

DESCRIPTION

Sikafloor® BC 360 solvent-free two-pack epoxy based coating for use on concrete floors especially for nuclear power plants

USES

Sikafloor® BC 360 may only be used by experienced professionals.

- Normal up to medium wear
- Nuclear power plant
- Assembly halls
- Dry production areas
- Interior use only

CHARACTERISTICS / ADVANTAGES

Sikafloor® BC 360 is resistant to radioactive radiation (108 rad) and it is easy to decontaminate.

PRODUCT INFORMATION

Packaging	Thickness	Pack size
	0.5mm	20.2 kg
	1.0 mm	34.2 kg
	2.0 mm	41.7 kg
Shelf life	24 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 +10 °C and +30 °C.	
Density	1.53kg/l (Mixed)	
Solid content by volume	96%	
Compressive strength	95 Mpa	(ISO 604)
Flexural strength	45 Mpa	(ISO 178)
Tensile strength	30 Mpa	(ISO 527-2)
Tensile adhesion strength	2 Mpa (Concrete Failure)	(ASTM C 7234)

APPLICATION INFORMATION

Consumption	Thickness	Consumption	
	0.5mm	0.765kg/M ²	
	2.0mm	3.06kg/M ²	
	4.0mm	6.12kg/M ²	
Layer thickness	0.5-2.0mm		
Ambient air temperature	+10 °C min. / +35 °C max.		
Relative air humidity	80 % max.		
Dew point	Beware of condensation. The substrate and uncured floor must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the floor finish. Low temperatures and high humidity conditions increase the probability of blooming.		
Substrate temperature	+10 °C min. / +35 °C max		
Substrate moisture content	≤ 4 % parts by weight The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Pot life	30 minutes at 23°C		
Curing time	Temperature	Minimum	Maximum
	23°C	16 hours	7 days
Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			
Waiting time / Overcoating	Before applying Sikafloor®- TC 460 on Sikafloor® BC 360		
	Substrate temperature	Minimum	Maximum
	23°C	16 hours	3 Days

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.

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

EQUIPMENT

Sikafloor® BC 360 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

SUBSTRATE QUALITY

- The concrete substrate must be sound and of sufficient

compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².

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

SUBSTRATE PREPARATION

MECHANICAL SUBSTRATE PREPARATION IMPORTANT

Exposing blow holes and voids

When mechanically preparing the surface, make sure to fully expose blow holes and voids.

- Remove weak cementitious substrates.
- Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment or grinding to remove cement laitance.
- Before applying thin layer resins, remove high spots by grinding.
- Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.
- Use products from the Sikafloor®, Sikadur® and Sikagard® range of materials to level the surface or fill cracks, blow holes and voids.

Contact Sika® Technical Services for additional information.

ation on products for levelling and repairing defects.
TREATMENT OF JOINTS AND CRACKS
Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

MIXING

- Mix Part A (resin) for ~30 seconds.
- Add Part B (hardener) to Part A.
- While mixing Parts A + B, gradually add the required filler or aggregates.
- **IMPORTANT** Do not mix excessively. Mix for a further 2 minutes until a uniform mix is achieved.
- To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
- During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

- Pour the mixed Product onto the substrate.
- Apply the Product evenly over the surface with a trowel or a squeegee.
- Back roll with spike roller in two directions to remove the entrapped air & achieve a smooth finish.

Note: The consumption is specified in Application Information

CLEANING OF TOOLS

Clean all tools and application equipment with xylene or suitable thinner immediately after use. Hardened / cured material can only be mechanically removed.

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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Product Data Sheet
Sikafloor® BC 360
September 2024, Version 03.01
020811020020000339

SikafloorBC360-en-IN-(09-2024)-3-1.pdf