

PRODUCT DATA SHEET

Sikafloor®-1207

(formerly MTop 1207)

High build, solvent-free epoxy coating for concrete floors

DESCRIPTION

Sikafloor®-1207 is a two-component, solvent-free epoxy resin floor coating which provides a hardwearing, chemical and abrasion-resistant flooring system.

USES

Sikafloor®-1207 is suitable for use in a wide range of industrial and commercial areas where a tough, easy-to-clean, and visually appealing floor is required, such as:

- Food-processing and beverage production facilities – including dairies, bakeries, mills, confectionery plants, and soft drink manufacture
- Pharmaceutical, chemical, and other medical laboratory environments
- Power stations and water industry facilities
- Industrial and commercial kitchens
- Engineering and maintenance areas – including car production facilities, workshops, and aircraft hangars
- Warehouses and storage areas with medium traffic loads
- Exhibition halls, showrooms, demonstration areas, and training rooms
- Airports and aircraft hangars

Sikafloor®-1207 is particularly suitable for:

- Areas requiring hygienic properties and a smooth, easy-to-clean finish
- Areas exposed to moisture or temporary wet conditions where an anti-slip finish is needed

FEATURES

- Excellent wear and abrasion resistance.
- No fire hazard and low VOC emissions.
- Excellent adhesion to concrete substrates.
- Waterproof – low water absorption properties.
- Easy and fast to apply.
- Easy to clean and maintain – dustproof surface.
- Slip-resistant or smooth finish available.
- Durable with low maintenance requirements.
- Good resistance to a wide range of common chemicals and organic solvents.
- Resistant to many general acids within certain concentrations (as per ASTM D543).
- Attractive and serviceable colours.

PRODUCT INFORMATION

Packaging	5 kg units
Colour	Sikafloor®-1207 is available in various color shades. Please contact your Sika sales representative for the color chart.
Shelf life	Up to 12 months if stored in unopened containers according to manufacturer's instructions.

Storage conditions	Store out of direct sunlight, clear of the ground, on pallets protected from rainfall. Avoid excessive compaction and protect from extremes of temperatures. In tropical climates, the product must be stored in an air-conditioned environment.
Density	~ 1.45 kg/L

TECHNICAL INFORMATION

Shore D Hardness	75	(ASTM D2240)
Compressive strength	86 N/mm ²	(ASTM C579)
Flexural-strength	61 N/mm ²	(ASTM C579)
Tensile strength	16 N/mm ² 30 N/mm ²	(ASTM D412) (ASTM D638)
Tensile adhesion strength	4.4 N/mm ²	(ASTM D4541)

SYSTEM INFORMATION

System structure	Primer: Apply one layer of primer using one of the following: Sikafloor®-1200, Sikafloor®-161, or Sikafloor®-P651. Sikafloor®-1207 may be used as a self-priming system in special cases. Please consult the Sika Technical Department for more details. The primer must be allowed to achieve a tack-free condition before applying the subsequent coats. A second primer layer may be required if the substrate is excessively porous. Putty: To seal the concrete surface and close pinholes or minor cracks, prepare a putty by mixing Sikafloor®-1207 with fine filler. Apply at a rate of approximately 100–150 g/m² per layer, depending on substrate condition. A second putty layer may be applied if necessary to achieve a smooth surface. Coating: Apply two coats of Sikafloor®-1207 at a consumption rate of 200–250 g/m² per coat. For a slip-resistant finish, evenly broadcast Sikadur® Aggregates onto the first coat while it is still tacky.
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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

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

SUBSTRATE PREPARATION

All surfaces must be clean, dry, and sound, free from oil, grease, dirt, dust, laitance, and any other contaminants that could impair adhesion. Mechanical preparation methods such as light grit blasting, high-pressure water jetting, or mechanical grinding are recommended to achieve a clean and mechanically sound substrate. After preparation, remove all dust and loose material using an industrial vacuum. A properly prepared surface ensures optimal adhesion between the substrate and the coating system, enhancing long-term performance and durability. The ideal surface profile for the application of Sikafloor®-1207 should resemble the texture of medium-grit sandpaper. Ensure that the concrete substrate is at least 28 days old and has a moisture content not exceeding 4% before application. The surface must be flat, clean, and uniformly roughened to provide a suitable key for the Sikafloor®-1207 system.

MIXING

Before mixing, stir each component individually to re-disperse any settled material. Pour the entire contents of the reactor (Part B) into the base (Part A) container. Mix using a low-speed electric drill (300–400 rpm) fitted with a spiral or helical mixing paddle. Continue mixing until a uniform, streak-free colour is achieved — typically for 2–3 minutes. To ensure complete homogeneity, transfer the mixture into a clean vessel and mix again briefly for approximately 30 seconds. Avoid entraining air during the mixing process. Do not mix partial quantities unless accurate component ratios and thorough mechanical mixing can be guaranteed. Incomplete mixing may result in uneven colour, gloss variations, or reduced performance.

APPLICATION

Ensure that the substrate is clean, dry, and free from dust, loose particles, and other contaminants. The working area should be protected from contamination during application — close windows and doors, and prevent the intrusion of dust, airborne particles, insects, or debris. To avoid colour variation, use only resin components from the same batch number within a single continuous area. Apply Sikafloor®-1207 in two coats using a short- or medium-haired roller. Allow a minimum interval of 18 hours and a maximum of 36 hours between coats. Apply the second coat at right angles to the first to ensure uniform coverage and appearance. If more than 16 hours at 40°C or 36 hours at 20°C have elapsed after applying the primer, the primed surface must be mechanically abraded and wiped with solvent to re-establish a suitable bonding profile before continuing. Allow Sikafloor®-1207 to dry for at least 24 hours before exposing the surface to light foot traffic. Full cure is achieved after 7 days.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with an appropriate solvent. Once cured, Sikafloor®-1207 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. 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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