

PRODUCT DATA SHEET

Sikafloor® M 276

(formerly MSeal M 276)

2-Part PU wear coat, pigmented, for use in car park deck systems

PRODUCT DESCRIPTION

Sikafloor® M 276 is a two component, polyurethane coating. It is both tough and elastic and has an excellent bond to the elastomeric waterproofing membranes used in car park waterproofing systems. It has a tenacious hold onto the broadcast aggregate providing a hard wearing, skid resistant surface.

USES

Sikafloor® M 276 forms the wear coat in car park deck waterproofing systems, which meet the requirements of the German OS 13 and OS 8 specifications respectively. Sikafloor® M 276 also forms the wear coat in the system which meets the requirements of the German OS 11a specification for coatings with increased dynamic crack bridging properties capable of bearing pedestrian and vehicular traffic.

CHARACTERISTICS / ADVANTAGES

- tough end elastic
- excellent bond to waterproofing membrane
- tenacious hold to broadcast aggregate
- withstands loads imposed by traffic
- resistant to fuels, battery acid and hydraulic oils

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
CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Chemical Base	Polyurethane
Packaging	Sikafloor® M 276 is supplied in 30 kg working packs.
Shelf Life	Under the specified storage conditions, the material has a shelf life of 12 months. For maximum shelf life under these conditions, see "Best before" label.
Storage Conditions	Store in original containers under dry conditions at a temperature between 15 – 25 °C. Do not expose to direct sunlight.
Colour	Sikafloor® M 276 is available in grey (approx. RAL 7037).
Density	Mixed product 1.45 g/cm³

TECHNICAL INFORMATION

Shore D Hardness	Cured 28 days at +23°C	50
Tensile Strength	Cured 28 days at +23°C (DIN 51504)	6 N/mm ²
Elongation at Break	Cured 28 days at +23°C (DIN 51504)	65%

APPLICATION INFORMATION

Mixing Ratio	5 : 1	
Consumption	Min. 1.2 kg/m ²	
Ambient Air Temperature	Min.	8°C
	Max.	35°C
Relative Air Humidity	Max.	80%
Substrate Temperature	Min.	8°C
	Max.	35°C
Pot Life	at 10 °C	40 min
	at 20 °C	30 min
	at 30 °C	20 min
Curing Time	Min. at 10 °C	8 d
	Min. at 12 °C	7 d
	Min, at 23 °C	5 d
Waiting Time / Overcoating	Min. at 10 °C	12 h
	Min. at 12 °C	9 h
	Min, at 23 °C	6 h

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

The preparation of the substrate and the use of the appropriate primer are of paramount importance. All surfaces to which Sikafloor® M 276 is applied should be sound, clean and dry and free from oil or grease, loose particles and any other substances which may impair adhesion. For substrate pre-treatment prior to the primer application see primer technical data sheet.

Important: Sikafloor® M 276 is unsuitable for use as a tie coat to cementitious overlays

MIXING

Sikafloor® M 276 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both the 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 low speed (approx. 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 bladed fully 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 clean container and mix for a further minute.

APPLICATION

Sikafloor® M 276 is poured onto the prepared substrate and spread with a notched trowel, or spreader (rubber or steel). 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, substrate and application temperature should not fall below the minimum. Following application the material should be protected from direct contact with water for approx. 16 hours. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 16 hours after application (at 15 °C).

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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Product Data Sheet

Sikafloor® M 276
September 2024, Version 02.01
02081200000002015

SikafloorM276-en-GB-(09-2024)-2-1.pdf