

PRODUCT DATA SHEET

Sikafloor® M 880

(formerly MSeal M 880)

Two-part PU wear coat, fast and low temperature curing, for car park deck and waterproofing systems

PRODUCT DESCRIPTION

Sikafloor® M 880 is a fast curing wear coat for use in car park deck waterproofing systems. It is a two-part, solvent-free, polyurethane and is slightly thixotropic so that it can be applied to ramps without the on-site addition of a thixotrope as well as to horizontal surfaces. It has a low consumption for economic use and exhibits an excellent bond to the waterproofing membrane. Sikafloor® M 880 is slightly elastic so that it can accommodate some movement of the deck.

USES

Sikafloor® M 880 is primarily intended for use in the fast track car park deck waterproofing systems, where its fast cure enables the fast curing top coat, to be applied after a short waiting time. Sikafloor® M 880 can also be used in other systems where its fast cure and excellent mechanical properties can be used to advantage.

In applications where a fast curing product is not required, or if high temperatures make the application of Sikafloor® M 880 difficult.

PRODUCT INFORMATION

Chemical Base	Polyurethane
Packaging	Sikafloor® M 880 is supplied in 24 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 containers under dry conditions at a temperature between 15° – 25° C. Do not expose to direct sunlight.

CHARACTERISTICS / ADVANTAGES

- Fast and low temperatures curing
- Excellent bond to waterproofing membranes
- Slightly thixotropic for application to ramps
- Withstands loads imposed by traffic
- Resistant to fuels, battery acid and hydraulic oils
- Low consumption

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

Colour	Sikafloor® M 880 is available in white.	
Density	At 23°C	1,08 g/cm ²

TECHNICAL INFORMATION

Shore D Hardness	Cured 28 days at +23°C	65	(EN ISO 868)
Tensile Strength	Cured 28 days at +23°C	16 N/mm ²	(DIN 53504)
Elongation at Break	Cured 28 days at +23°C	50%	(DIN 53504)

APPLICATION INFORMATION

Mixing Ratio	100 : 46	
Consumption	The consumption of Sikafloor® M 880 is approx. 0.5 – 0.7 kg/m ² up to 1.6 kg/m ² .	
Ambient Air Temperature	Min.	5°C
	Max.	25°C
Relative Air Humidity	Max.	80%
Substrate Temperature	Min.	5°C
	Max.	25°C
Pot Life	At 20°C	24 min
Waiting Time / Overcoating	Temperature	Minimum
	at 5°C	6 h
	at 8°C	4 h
	at 12°C	3 h
	at 23°C	2 h

VALUE BASE

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

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling.

Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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 <https://irl.sika.com/en/knowledge-hub-sika-ireland/pu-training.html>.



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 880 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 880 is unsuitable for use as a tie coat to cementitious overlays

MIXING

Sikafloor® M 880 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 880 should be spread with a squeegee and finished by rolling.

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. 3 hours. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 3 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.

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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 the 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.

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