

SYSTEM DATA SHEET

Sikafloor® Traffic-2219 AP

Polyurea based crack bridging car park deck coating system

DESCRIPTION

Sikafloor® Traffic-2219 AP is a dynamic crack-bridging, waterproofing and slip resistant car park system based on pure polyurea waterproofing membrane and polyaspartic topcoat. It provides fast cure, hard wearing, high elastic, seamless finish, and color stable properties.

Sikafloor® Traffic-2219 AP is designed for exposed and intermediate car parking decks. The surface produces a slip resistant, low maintenance coloured semi-gloss finish.

USES

Sikafloor® Traffic-2219 AP may only be used by experienced professionals.

- For use on exposed, intermediate decks and sheltered car park top decks where maximum crack bridging and wear resistance are required.
- As waterproofing coating for floors, walkways.

CHARACTERISTICS / ADVANTAGES

- Dynamic crack bridge even at -20 °C
- High wear resistance
- Skid/slip resistant
- Rapid spray applied application
- Very fast set
- UV and color stable
- Good chemical and mechanical resistance
- Waterproof
- Low dirt retention, low maintenance

ENVIRONMENTAL INFORMATION

Conformity with LEED v2009 IEQc 4.2: Low Emitting Materials - Paints and Coatings

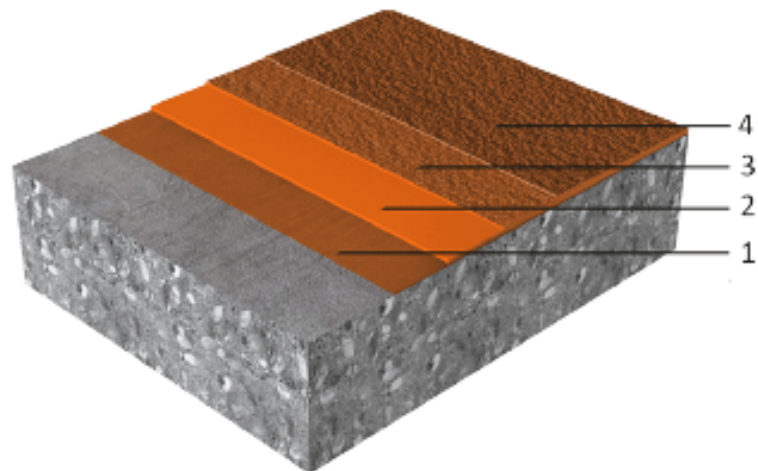
CERTIFICATES AND TEST REPORTS

- kiwa report P11935-1 with adapted local primer.
- elletipi s.r.l report

SYSTEM INFORMATION

System Structure

Sikafloor® Traffic-2219 AP



Layer	Product
1. Primer + Sand broadcast	Sikafloor®-161HC + Quartz sand 0.3~0.8mm
Optional: Scratch coat	Sikafloor®-161HC filled with Quartz sand
2. Waterproofing membrane	Sikalastic® M 689
3. Topcoat 1st	Sikafloor® TC 681 + Quartz sand 0.3~0.8mm
4. Topcoat 2nd	Sikafloor® TC 681

Appearance	Slip resistant, glossy finish
Colour	Sikafloor® TC 681 is available in following colours: approx. RAL 7032, 7035, 7040.
Nominal Thickness	Approx. 3.0 ~ 5.0 mm

TECHNICAL INFORMATION

Abrasion Resistance	Average: 425 mg with H22, 1000g, 1000 cycles		(ISO 5470-1)
Tensile Adhesion Strength	≥ 1.5 N/mm²		(EN 1542)
Permeability to Carbon Dioxide	Sd ≥ 50 m		(EN1062-6)
Skid / Slip Resistance	Dry at 20 °C	75	(EN13036-4) Pendulum test
	Wet at 20 °C	56	
Resistance to Wearing	AR: ~0 µm		(EN 13892-4)
Gloss Level	Gloss		

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	1. Primer + Sand Broadcast	Sikafloor®-161HC Quartz sand 0.3 ~ 0.8 mm	0.3 ~0.5 kg/m ² 0.8 ~ 1.0 kg/m ²
	Optional Scratch coat + Broadcast sand up to 1mm roughness	Sikafloor®-161HC 1:0.5 filled with Quartz sand 0.3 ~ 0.8 mm	0.6 ~1.0 kg/m ² * 2.0 ~ 3.0 kg/m ²
	2. Waterproofing membrane	Sikalastic® M 689	2.3 ~ 3.4 kg/m ²
	3. Topcoat 1st + Sand Broadcast	Sikafloor® TC 681 Quartz sand 0.3 ~ 0.8 mm	0.5 ~ 0.8 kg/m ² In excess
	4. Topcoat 2nd	Sikafloor® TC 681	0.5 ~ 0.8 kg/m ²
	* This consumption including filler		
Layer Thickness	Approx. 3.0 mm ~ 5.0 mm* * The system consumption and system layer thickness vary according to country specific guidance and standards.		
Ambient Air Temperature	+8 °C min. / +30 °C max. For spray applied membrane refer to the individual Product Data Sheet.		
Relative Air Humidity	Max. 80 %		
Dew Point	Beware of condensation! The temperature of the contact surfaces must be at least 3 °C above the ambient dew point temperature to reduce the risk of condensation		
Substrate Temperature	+8 °C min. / +30 °C max.		

Substrate Moisture Content	For primer Sikafloor-161 HC: ≤ 4 % pbw moisture content. Test method: Sika®-Tramex meter, CM-measurement on Oven-dry method No rising moisture according to ASTM (Polyethylene-sheet).						
Substrates	Have an adequate pull-off strength min 1.5 N/mm², no rising moisture.						
Pot Life	Refer to related Product Data Sheets						
Applied Product Ready for Use	After Sikafloor® TC-681 Application						
	Ready for pedestrian traffic at 23 °C			4 hours			
	Ready for car traffic at 23 °C			7 hours			
	Fully cured at 23 °C			7 days			
Waiting Time	Overcoating time between primer and Sikalastic® M 689 refer to selected primer PDS.						
	Below each layer after application the interval time shows:						
		Minimum waiting time, hours			Maximum waiting time, hours		
		10 °C	20 °C	30 °C	10 °C	20 °C	30 °C
	Sikalastic® M 689	Immediately			8	4	2
	Sikafloor® TC 681	4	3	2	24	16	12
	Note: Times are approximate and will be affected by changing ambient conditions.						

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.

FURTHER INFORMATION

- Sika Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Mixing & Application of flooring systems
- Sika Method Statement Sikalastic®-8800 & M689

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor® Traffic-2219 AP must be protected from damp, sweat, condensation and water for at least 2 hours.
- The incorrect assessment and treatment of cracks may lead to a reduced service life time and reflective cracking.
- For exact colour matching, ensure Sikafloor® TC 681 is applied from the same control batch number
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO² and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.
- Always ensure adequate fresh air ventilation during application and curing

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Sika Method Statement: Evaluation and preparation of surfaces for flooring systems

MIXING

Sika Method Statement: Mixing & Application of flooring systems
 Sika Method Statement Sikalastic®-8800 & M689

APPLICATION

Sika Method Statement: Mixing & Application of flooring systems
 Sika Method Statement Sikalastic®-8800 & M689

CLEANING OF TOOLS

Refer to Sika Method Statement: Sikafloor® -Cleaning Regime

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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System Data Sheet
Sikafloor® Traffic-2219 AP
July 2026, Version 01.02
02081290000245276

SikafloorTraffic-2219AP-en-MY-(07-2026)-1-2.pdf

