

SOLID AND DURABLE INDUSTRIAL FLOOR

Mass-pigmented, flexible polyurethane system for car parks

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substrate	poorly at by the "p of concre	ete, cement, and repair materials	must be observed.			
		by the "pull-off" method, should not be less than 1.5 MPa. The mature concrete must be ground. The required time for maturing of concrete, cement, and repair materials must be observed. Particular materials included in the SICONOFLOOR CAR PARK systems should be prepared for application in accordance				
		recommended to use Siconofloor GW-E priming resin), clean, slightly rough, with open pores, and made in accordance with construction standards. All impurities such as: cement milk, dust, oil, grease marks, fragments that are loose, unbound or poorly attached to the substrate, and old coatings should be removed. The average tensile strength of the concrete, measured				
			, dry (with a moisture content of up to 4%, in the case of a humidity of 5-15%, it is			
		Full load	Application 7 days			
		estrian traffic	24 h			
			Curing time (at 20°C):			
		n according to EN 1542 compliant with EN 13892-4	≥ 1.5 MPa AR 0.5			
		ness (after 7 days)	50°			
	ShA hardr	ness (after 7 days)	80°			
	<i>F</i>	Adhesion	> 3.0 N/mm ²			
		Technical charact	eristics of SICONOFLOOR CAR PARK			
		0200	 Concrete base. Priming layer, Siconofloor GF-E/GW-E or any other primer from the Siconofloor line, depending on the requirements of the substrate, e.g. G13-E, GLV-E. Sprinkled with quartz aggregate with granulation of 0.8-1.2 mm Siconofloor structural (wear) layer, PU-SB sprinkled with 0.8-1.2 mm quartz aggregates Siconofloor PU-SB sealing layer (additionally, possible to apply varnish: Siconofloor PU- Matin, PU-Satin or Siconofloor PU Matin Colourless) 			
			System design			
Stanuarus	-	ets standard 13813 ets standard 1504-2				
Approvals / Standards	• Hyg	giene approval No. HK/B/0757/02				
	VerAdjRec		ding to petrol, oil, engine oil and brake fluid, and anti-slip properties, e traffic,			
oystelli i ropen	• Go	Good resistance to abrasion,				
System Propert	• In p	In public utility buildings and wherever high surface flexibility and the ability to transfer stresses are required.				
			the production of durable surface layers in: according to the German standards OS 11a and OS 11b,			
Scope of application	resistan durable protectir	ce as well as aesthetic and origin finish on mineral surfaces such a ng it from liquid spills or mechanic	anti-slip or smooth surface finish, very high mechanical resistance and high chemical appearance. The ability to bridge cracks is an advantage of the system. It is a sconcrete and cement screeds, effectively preventing the substrate from dusting and cal damage.			
application	resistan durable protectir SICONO	ce as well as aesthetic and origin finish on mineral surfaces such a ng it from liquid spills or mechanic DFLOOR CAR PARK is used for t	nal appearance. The ability to bridge cracks is an advantage of the system as concrete and cement screeds, effectively preventing the substrate from dus cal damage. the production of durable surface layers in:			

Sicon Spółka z ograniczoną odpowiedzialnością Sp. k. 0000633637

TAX NUMBER: 517 027 17 17 REGON: 1180372420 KRS:

UI. Pod Borem 22B 36-060 Głogów Małopolska

District Court in Rzeszów, 12th Commercial Division



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1	1	Primer	 Siconofloor GF – E; Siconofloor GW- E or any other primer from the Siconofloor line, depending on the requirements of the substrate, e.g. G13-E, GLV-E. 	0.3 - 0.5	
2	1	Quartz aggregate	Kiln dried quartz sand of 0.8-1.2 mm fraction	1.0- 1.5	
3	1	Wear layer	Siconofloor PU-SB sprinkled to full refusal with aggregate of granulation 0.8-1.2 mm	Resin: 1.2 to 1.3, quartz aggregate: 3.5- 4.0	
4	1	Sealing layer	Siconofloor PU- SB	1.2- 1.3	
		Application d	ata/ Consumption		
Anti-slip syste	em (thickness ap	prox. 4.5-5.0 mm) outdoor car parks.	Ceiling surfaces exposed to atmospheric age a	ents. Compatible with OS 11	
Order of application	Number of layers	Layer type	Material name	Consumption kg/m ²	
1	1	Primer	Siconofloor GF – E; optionally Siconofloor GW-E or any other primer from the Siconofloor line, depending on the requirements of the substrate, e.g. G13-E, GLV-E.	0.3- 0.5	
2	1	Quartz aggregate	Kiln dried quartz sand of 0.8-1.2 mm fraction	1.0- 1.5	
3	1	Interlayer	Siconofloor Elastan	2.0- 2.2	
4	1	Wear layer	Siconofloor PU-SB sprinkled to full refusal with aggregate of granulation 0.8-1.2 mm	Resin: 1.5 to 1.55, quartz aggregate: 4.0- 5.0	
5	1	Sealing layer resistant to UV radiation	Siconofloor PU- SB UV	1.2- 1.3	
		Application d	ata/ Consumption		
		Anti-slip (thickness approx. 4.5-	5.0 mm) indoor or outdoor exit ramps		
Order of application	Number of layers	Layer type	Material name	Consumption kg/m ²	
1	1	Primer	Siconofloor GF – E; optionally Siconofloor GW-E or any other primer from the Siconofloor line, depending on the requirements of the substrate, e.g. G13-E, GLV-E.	0.3- 0.5	
2	1	Quartz aggregate	Kiln dried quartz sand of 0.8-1.2 mm fraction	1.0- 1.5	
3	2	Wear layer	Siconofloor PU-SB [*] sprinkled to full refusal with aggregate of granulation 0.8-1.2 mm	Resin: 1.2 to 1.3, quartz aggregate: 3.5- 4.0	
		Wear layer	Siconofloor PU-SB [*] sprinkled to full refusal with aggregate of granulation 0.8-1.2 mm	Resin: 1.2 to 1.3, quartz aggregate: 3.5- 4.0	
4	1	Sealing layer resistant to UV radiation	Siconofloor PU-SB UV or Siconofloor PU SB (in the case of indoor ramps)	1.2- 1.3	
In the case of applic	ation on sloping and ste	ep surfaces, it is recommended to add a thickener of m	ax 0.2% by weight.		
method – indoor Sicono system substra with a must b B, the still un still un colour excess expect Sealing be pou the dry the dry Application The colour method – outdoor Sicono		bincrete substrate should be primed in accordance with the instructions contained in the Technical Data Sheet of floor GF-E/GW-E priming material or another primer from the Siconofloor line, depending on the requirements of the atte, e.g. G13-E or GLV-E. Immediately after laying, the primer should be loosely sprinkled with kiln dried quartz sand fraction of 0.8-1.2 mm. Remove excess sand after the priming layer has hardened. The Siconofloor PU-SB material e prepared according to the instructions in the Technical Data Sheet of the product. After mixing the components A and material should be poured in portions on a primed concrete substrate and spread evenly with a metal trowel. Then, the cured layer of material should be sprinkled to "full refusal" with kiln dried quartz sand (preferably sand of the same as the resin) with granulation of 0.8-1.2 mm. Allow the layer to cure for at least 24 hours (at +20°C). After this time, the sand should be carefully removed with a brush and/or industrial vacuum cleaner, and then sanded depending on the ed anti-slip effect and vacuumed. g layer - prepared in accordance with the Technical Data Sheet of the Siconofloor PU-SB material. The material should red in portions onto a hardened and prepared resin layer with quartz sprinkles. After the final layer has been applied, ing temperature must be maintained above +15°C for at least 24 hours.			
system substrate, e.g. G13-E or GLV-E. Immediately after laying, the primer should be loosely sprinkled with kiln dried quark with a fraction of 0.8-1.2 mm. Remove excess sand after the priming layer has hardened. The Siconofloor Elastan must be prepared according to the instructions in the product Technical Data Sheet. After components A and B are mi material should be poured in portions onto a primed concrete substrate, spread evenly and deaerated. Next, p thoroughly mixed Siconofloor PU-SB material onto the hardened surface of the substrate and spread it with a serrated Deaerate the material and sprinkle it with an excess of 0.8-1.2 mm quartz sand. Allow the layer to cure for at least 24 h +20°C). After this time, the excess sand should be carefully removed with a brush and/or industrial vacuum cleaner, operation with the Siconofloor resin and aggregate sprinkling should be performed again. Allow the layer to cure for at hours (at +20°C). After this time, the excess sand should be carefully removed again with a brush and/or an industrial				e Siconofloor Elastan material onents A and B are mixed, the old deaerated. Next, pour the oread it with a serrated trowel. o cure for at least 24 hours (at strial vacuum cleaner, and the he layer to cure for at least 24	

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Method of application and consumption - anti-slip system, approx. 5.0 mm thick (for use on exit ramps)	cleaner, then the whole should be sanded according to the desired anti-slip effect and vacuumed. Sealing layer - prepared in accordance with the Technical Data Sheet of the Siconofloor PU-SB material. The material should be poured in portions onto a hardened and prepared resin layer with quartz sprinkles. After the final layer has been applied, the drying temperature must be maintained above +15°C for at least 24 hours. After the final UV resistant layer has been applied, the drying temperature must be maintained above +15 °C for at least 24 hours. The concrete substrate should be primed in accordance with the instructions contained in the Technical Data Sheet of Siconofloor GF-E/GW-E priming material or another primer from the Siconofloor line, depending on the requirements of the substrate, e.g. G13-E or GLV-E. Directly after laying, the primer should be sprinkled with kiln dried quartz sand with a fraction of 0.8-1.2 mm, in the amount of approx. 2.0 kg/m ² . Remove excess sand after the priming layer has hardened. The Siconofloor PU-SB material must be prepared according to the instructions in the Technical Data Sheet of the product. After mixing components A and B, the material should be poured in portions on a primed concrete substrate and spread evenly with a metal trowel. Consumption is approx. 1.2-1.3 kg/m ² . Then, the still uncured material layer should be performed again, i.e. Siconofloor PU-SB material in the amount of approx. 1.2-1.3 kg/m ² should be spread with a metal trowel and then the still uncured material layer, sprinkled to "full refusal" with kiln dried quartz sand (preferably sand of the same colour as the resin) with granulation of 0.8-1.2 mm (consumption approx. 3.5 kg/m ²). Allow the layer to cure for at least 24 hours. (12-1.3 kg/m ² should be spread with a metal trowel and then the still uncured material layer, sprinkled to "full refusal" with kiln dried quartz sand (preferably sand of the same colour as the resin), with granulation of 0.8-1.2 mm (consumption approx. 3.5 kg/m ²).
	applied, the drying temperature must be maintained above +15°C for at least 18 hours.
	Comments and recommendations
Health and safety conditions	The materials included in the system should be used by trained teams of contractors. Use eye protection, respiratory protection and skin protection during work. When working in confined or enclosed spaces, and during drying, adequate ventilation must be provided. Detailed information on hazards is contained in the Material Safety Data Sheets of the individual products, available on request.
-	After complete hardening, the coating is neutral to health and the environment.
Storage conditions for system components	Unhardened products and their components should not enter the sewage system, soil or groundwater. It is essential to harden the residual materials. Hardened materials must be disposed of according to local regulations.
Technical Support	It is recommended to consult the producer's technical advisor before using the system to ensure that the material and/or system are used correctly.
Final remarks	These specifications are based on trials and laboratory tests. The practical results of measurements may differ from those provided, due to circumstances beyond the control of Sicon Sp. z o.o. All information is given in good faith and takes into account current knowledge and experience. The producer indicates that the colour of the finished floor may vary. This phenomenon does not indicate a defect in the floor or reduced technical specifications. Possible discolouration may occur due to the way the work and drying are performed. It is recommended that particular areas be covered from batches of material from one production run. The product documentation is general information, appropriate under certain conditions. It is recommended that the purchaser carry out an application test under specific construction environmental conditions prior to large-scale application of the product. The supplier has no influence on the types of application, application methods or execution conditions on the site, therefore these instructions may not be held responsible for the end result of the application Recommendations of Sicon's associates that deviate from the information in the technical sheet are mandatory only if they are confirmed in writing. Release Date: 03/2020 All previously issued sheets of the Siconofloor Car Park system shall expire on the date of issue of this sheet.

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