

SOLID AND DURABLE INDUSTRIAL FLOOR

Non-slip flooring system with quartz aggregate filler

System description	SICONOFLOOR EPOXY STRUCTUR is a high build or a low build epoxy flooring system based on colored epoxy				
-,	resin, covered with quartz sand and colored sealing coating. The flooring is characterized by slip resistance, v				
	high mechanical resistance and high chemical resistance, as well as, aesthetic and original appearance. It is a				
	durable finish for mineral surfaces such as concrete or cement plaster and effectively prevents dusting of the				
		ng with liquids or mechanical damage.			
Scope of application	SICONOFLOOR EPOXY STRUCTUR is used for very durable pavements in:				
	High-loaded manufacturing halls				
	•	re carried out, such as food and beverage factories, food processing plants, car			
Premises where wet process washes,					
	 Industrial kitchens, 				
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	 Food processing plants (fruit processing, dairies, bakeries, breweries), Pharmaceutical industry 				
 Pharmaceutical industry, Internal car parks and traffic routes (heavy traffic), 					
Warehouses and loading ramps.					
System Properties	Very high resistance to scratching and impact,				
 Very high hardness and abrasion resistance, 					
	The surface slip resistance can	be adjusted,			
	 High chemical resistance, 				
	 Ease of cleaning and maintenan 	ю,			
	 Decorative appearance, 				
	Total thickness of the system is	0.5-3.0 mm.			
Technical properties of SICONOFLOOR EPOXY STRUCTUR					
Adhesion		> 1.5 N/mm ²			
ShD hardness		>90			
Impact resistance (ball imprint surface)		50 mm ²			
Compression strength		80 MPa			
Bending strength		50 MPa			
Resistance to abrasion		AR 0.5			
Chemical resistance		High			
Fire resistance		E _{ff} -s1			
Hygiene tests		Meets the requirements; Hygienic Certificate No. HK/B/0757/01/2015			
Slip prevention		R9 - R12			
•••	Curing time	e (at a temperature of 20° C):			
Pedestrian traffic 24 h					
Full load 7 days					
		Application			
Substrate	The concrete substrate should be fir	rm, dry (with a moisture content up to 4%, for a moisture content of 5-15% the			
preparation	use of Siconofloor GW-E priming resin is recommended), clean, slightly rough, open-pored, constructed in accordance with building standards. All impurities such as: cement slurry, dust, oil content, traces of grease,				
	fragments that are loose, unbound or weakly bound with the substrate and old coatings should be removed.				
	Average concrete tensile strength as measured using the "pull-off" method should not be less than 1.5 MPa. The				
	mature concrete should be sanded. The required time for concrete, cement screeds and repair materials				
maturation must be observed					

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NIP: 517 027 17 17 REGON: 1180372420 KRS: 0000633637

UI. Pod Borem 22B 36-060 Głogów Małopolski

Sąd Rejonowy w Rzeszowie XII Wydział Gospodarczy

Krajowego Rejestru Sądowego



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Preparation	of	The various materials included in SICONOFLOOR EPOXY STRUCTUR system must be prepared for their			
materials application in accordance with the data included in their Data Sheets. SICONOFLOOR EPOXY STRUCTUR application conditions					
The substrate temperature should be higher by at least 3° C than the dew point temperature.					
Minimum ambient temperature				+10° C	
Minimum temperature of the substrate			rate	+10° C	
Maximum temperature of the substrate and the environment			trate and the environment	+25° C	
Maximum relative humidity 80%					
			Арј	plication data	
Order of application	Number o coatings		Type of coating	Name of material	
1	1		Primer	Siconofloor GF-E; optionally Siconofloor GW-E	
2	1		Quartz aggregate	Fire-dried quartz sand with grain-size of 0.2-0.8 mm	
3	1-2		Wearing course	Siconofloor RR 100 is covered dry with aggregate with grain-size of 0.2-0.8 mm	
4	1-2		Sealing coating	Siconofloor RR 100 primed in accordance with the instructions contained in the Siconofloor GF-	
and consumption sand with grain-size of 0.2-0.8 mm, (d kg/m ² . After the primer curing any eprepared in accordance with the inst mixing, the material must be poured metal trowel. Consumption of the resir and is approx. of 0.5-0.7 kg/m ² /1 mm covered with fire-dried quartz sand (it mm (consumption of approx. 2.5÷3.5 k After that time, any excess of sand mu must be first sanded depending on the The sealing coating must be prepare material should be poured in portion Theoretical consumption of resin amo			th grain-size of 0.2-0.8 mm, (After the primer curing any d in accordance with the in- the material must be poured owel. Consumption of the res pprox. of 0.5-0.7 kg/m ² /1 mm with fire-dried quartz sand (in nsumption of approx. 2.5÷3.5 at time, any excess of sand m first sanded depending on the aling coating must be prepar should be poured in porti- ical consumption of resin am- per of the sealing coatings. A	ately after the application, the primer should be covered with fire-dried quartz (depending on the required degree of slip resistance), in quantity of approx. 1 excess of sand must be removed. Siconofloor RR 100 material should be structions provided in the product Data Sheet. After A and B components in depends on grain-size of the quartz sand used for covering the first coating of the flooring thickness. Then, the still uncured material coating must be dry t is best to use the sand of the same color as resin) with grain-size of 0.2-0.8 kg/m ²). The coating must be allowed to cure for at least 24 hours (at +20° C). Thust be carefully removed with a brush and/or vacuum cleaner, and the whole is desired non-slip effect and then vacuumed. The ons on the cured and prepared resin coating together with quartz sand. ounts to 0.5-0.7 kg/m ² . The target roughness of the flooring can be adjusted fler the last coating application, the drying temperature should be maintained to the same coating temperature should be maintained the same coating temperature should be distributed with a brush and/or vacuum cleaner, and the same coating together with quartz sand.	
Health and safety conditions The materials included in the system system and skin protection devices ensured when working in confined sp Data Sheets of individual products, and		erials included in the system and skin protection devices when working in confined sp eets of individual products, av The coating has no	impact on health and the environment, when fully cured.		
system componentsurstoragebeTechnical supportIt		The products included in the system and their components should not get into drains, soil or groundwater while uncured. It is essential that the remnants of material are definitively cured. The cured remnants of material should be disposed of in accordance with local regulations. It is recommended to consult a technical advisor of the Manufacturer, in order to ascertain the correct use of the material and/or system, before using the system.			
Final remarks		The included technical specifications are based on laboratory tests. Actual measurements results may vary from the enclosed ones, due to circumstances beyond the control of Sicon LTD. All information is provided in good faith, taking into account the current state of the art and the experience gained. The manufacturer advises that the color of the executed flooring may vary. The resulting phenomenon does not indicate any defect or reduced technical parameters of the flooring. Any discoloration may occur due to the working or drying methods. It is recommended to execute certain surfaces with materials originating from one production run only. The product documentation provides for general information applicable under certain conditions. It is recommended that before using the product on a large scale the purchaser tests it under specific construction environment conditions. The supplier has no control over the use, methods of application and execution conditions occurring at the construction site and therefore no responsibility of the supplier for the final effect of the application may arise from these instructions. Recommendations of Sicon partners that differ from the information included in the Safety Data Sheet shall apply only in the case of their written confirmation. Date of issue of this sheet.			

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