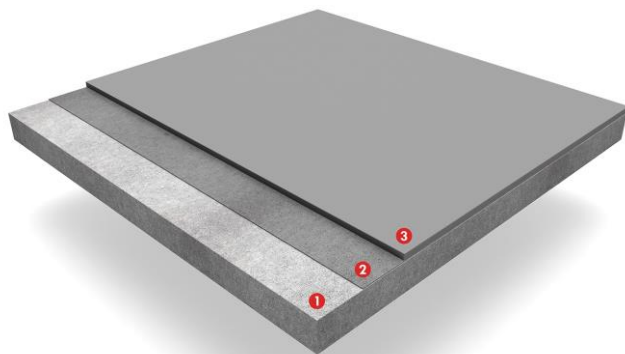


Dyed epoxy resin system for high build smooth floorings

System description	SICONOFLOOR EPOXY SL is a high build, epoxy flooring system, based on colored epoxy resin. The flooring is characterized by smooth surface finish, very 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 substrate and protects it from soaking with liquids or mechanical damage.
Scope of application	SICONOFLOOR EPOXY SL is used for very durable pavements in: <ul style="list-style-type: none"> • Exhibition, industrial, production and warehouse halls, • Pharmaceutical and chemical industries, hospitals, laboratories, • In all areas of manufacturing with a controlled level of cleanliness for the production of many products.
System properties	<ul style="list-style-type: none"> • Very high resistance to scratching and impact, • High degree of gloss, • High chemical resistance, • Ease of cleaning and maintenance, • Decorative appearance, • Total thickness of the system: 1.5-3.0 mm, • Possibility to execute a matt finish of the surface or a non-slip structure.

Construction of the system:



1. Concrete bed
2. Priming coating Siconofloor GF-E/GW-E
3. Structural coating Siconofloor SL 100-E

Technical properties of SICONOFLOOR EPOXY SL

Adhesion	> 1.5 N/mm ²
ShD hardness	>90
Hygiene tests	Meets the requirements
Curing time (at a temperature of 20° C):	
Pedestrian traffic	24 h
Full load	7 days

Application

Substrate preparation	The concrete substrate should be firm, dry (with a moisture content up to 4%, for a moisture content of 5-15% the 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 be not 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.
Preparation of materials	The various materials included in SICONOFLOOR EPOXY SL system must be prepared for their application in accordance with the data included in their Data Sheets.

SICONOFLOOR EPOXY SL 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	+10° C
Maximum temperature of the substrate and the environment	+25° C
Maximum relative humidity	80%

Application data - smooth system (thickness of 1.5-3.0 mm)

Order of application	Number of coatings	Type of coating	Name of material
1	1	Primer	Siconofloor GF-E; optionally Siconofloor GW-E
2	1	Wearing course	Siconofloor SL 100
3	1	Matting coating (optional)	Siconofloor PU-MATIN or Siconofloor PU-SATIN

Application data - non-slip system (2.0-3.5 mm)

Consult our expert before the execution			
Order of application	Number of coatings	Type of coating	Name of material
1	1	Primer	Siconofloor GF-E; optionally Siconofloor GW-E
2	1	Structural coating	Siconofloor SL 100 mixed with dried quartz sand with grain-size of 0.1-0.3 mm
3	1	Coating	Dry covered with colored quartz sand 0.4-0.8 mm having the resin color.
4	1	Varnish	Siconofloor SL 100 or Siconofloor RR 100
5	1	Matting coating (optional)	Siconofloor PU-MATIN or Siconofloor PU-SATIN
Method of application and consumption - smooth system		The concrete substrate should be primed in accordance with the instructions contained in the Siconofloor GF-E/GW-E primer Data Sheet. Siconofloor SL 100 material should be prepared in accordance with the instructions provided in the product Data Sheet. After A and B components mixing, the material must be poured in portions on the primed concrete substrate and evenly distributed with a squeegee spacer. Consumption of the resin depends on the flooring thickness - and usually amounts to approx. of 1.5-1.8 g/m ² /1 mm of the flooring thickness. The poured material must be bleed with a spiked roller. An optional coating, enhancing the mechanical parameters of the flooring should be prepared in accordance with the Technical Data Sheet of Siconofloor PU-MATIN or Siconofloor PU-SATIN materials. After the last coating application, the drying temperature should be maintained at 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 execution team members only. Eye, respiratory system and skin protection devices must be used during the works execution. Adequate ventilation must be ensured when working in confined spaces and when drying. For detailed information on the risks, see the Safety Data Sheets of individual products, available on request. <i>The coating has no impact on health and the environment, when fully cured.</i>	
Conditions of the system components storage		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.	
Technical support		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 specific 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: 01/2016 All previously issued Siconofloor Epoxy SL safety data sheets shall expire on the date of issue of this sheet.	