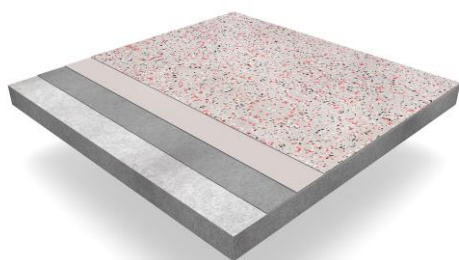


Anti-slip thin-coated floor system based on water-thinned resins

Description of the system	SICONOFLOOR Aquapox Deco is a thin-layer epoxy floor system based on coloured epoxy resin. The floor features a anti-slip surface finish, mechanical resistance, chemical resistance, as well as an aesthetic and original appearance. A decorative effect can be achieved by using acrylic flake sprinkles. It is a durable finish on mineral surfaces such as concrete and cement screeds, effectively preventing the substrate from dusting and protecting it from liquid spills or mechanical damage.
Scope of application	SICONOFLOOR AQUAPOX DECO is used for the production of durable surface layers in: <ul style="list-style-type: none"> • Rooms with small loads, • Material dedicated to garages, technical rooms. • Impregnation and reinforcement of all types of mineral substrates • The material is intended for indoor use as a finishing layer for vapor permeable systems.
System Properties	<ul style="list-style-type: none"> • Very high adhesion; • Possibility to regulate the degree of anti-slip surface; • Vapor-permeable material; • Good penetration of mineral substrates; • Matte or satin finish; • Possibility of application on vertical surfaces after prior priming with SICONOFLOOR AQUAPOX P; • Low VOC emissions; • Water-soluble; • High coverage; • Versatility. • Easy to clean and maintain • Decorative appearance; • Reduced tendency to crystallise. • Total thickness of the system 0.5 mm. • Not to be used on surfaces with underfloor heating.



System design

1. Concrete base.
2. Priming layer Siconofloor Aquapox P.
3. Siconofloor RC 100 colour structural layer.
4. Sprinkle with coloured decorative flakes.
5. Colourless sealing layer of Siconofloor PU Satin or Siconofloor PU Matin

Technical characteristics of SICONOFLOOR AQUAPOX DECO		
Adhesion	> 2.5 N/mm²	
SHD hardness	>90	
Abrasion resistance	AR <0.5	
Hygiene tests	Complies with requirements;	
ShD hardness (ShD hardness after 7 days 80 ShD) (applies to a thin layer of resin applied with a roller on a concrete substrate)	10°	After 24h 75° SHD
		After 48h 80° SHD
	20°	After 24h 70° SHD
		After 48h 80° SHD
Anti-slip		
Curing time (at 25°C):		
Pedestrian traffic	12 h	

Full load		7 days		
Application				
Preparation of the substrate		The substrate must have sufficient compressive strength (minimum 25 N/mm ²). The surface must be level, slightly rough, strong and dry, and free from non-bound particles. The "pull off" test should not give a result of less than 1.5 N/mm ² . If in doubt, apply in a reference area. Fragments of understrength substrate, cement milk and fragments contaminated by oils or other separating agents must be removed mechanically, e.g. by shot blasting, grinding or milling. The substrate must have open pores before the material is applied. Before the material is applied, the substrate must be dusted and vacuumed.		
Material preparation		Particular materials included in the SICONOFLOOR AQUAPOX DECO systems should be prepared for application in accordance with the data contained in their Technical Data Sheets.		
SICONOFLOOR AQUAPOX DECO application conditions				
The substrate temperature must be min. 3°C from the dew-point temperature.				
Minimum ambient temperature		+10°C		
Minimum substrate temperature		+10°C		
Maximum substrate and ambient temperature		+25°C		
Maximum relative humidity		80%		
Application data				
Order of application	Number of layers	Layer type	Consumption	Material name
1	1	Primer	0.2 kg/cm ²	Siconofloor Aquapox P
2	1- 2	Wear layer	0.25 kg/cm ²	Siconofloor Aquapox RC 100
3	1	Sprinkles	0.5 kg/10-30 m ²	Colourful decorative flakes
4	1	Sealing layer	0.1 kg/cm ²	Siconofloor PU Satin or Siconofloor PU Matin
Application method and consumption		<p>Priming layer: Mix component A initially, then add component B, mix the ingredients until a homogeneous consistency is achieved, but not less than 3 minutes (5 minutes is recommended). The mixing ratios of component A and component B are indicated on the packaging and must not be changed. A change in the ratio will result in the product having characteristics different from those declared by the Producer. Excessive mixing may cause aeration of the resin and should therefore be avoided. Use a low speed electric mixer (300 to 400 rpm) or other suitable equipment to mix the resin. Apply SICONOFLOOR AQUAPOX P using a fine-hair velvet roller according to the art of painting, making sure that a uniform, continuous coating is obtained, if necessary apply a second layer. The priming layer does not require deaeration with a spiked roller. Resin capacity: Approximately 0.2 kg/m² (depending on the absorbency and evenness of the substrate, on an absorbent substrate, a second layer should be applied after 12 hours).</p> <p>Structural layer: The structural layer should be applied after the priming layer (or layers) has bonded. The SICONOFLOOR AQUAPOX RC100 material must be prepared in accordance with the instructions (as above). Apply SICONOFLOOR AQUAPOX RC100 using a fine-hair velvet roller according to the art of painting, making sure that a uniform, continuous coating is obtained. Walk on the wet AQUAPOX RC100 resin in spiked shoes and sprinkle evenly with decorative flakes. The structural layer does not require deaeration with a spiked roller. Yield of resin: about 0.2 kg/m². Yield of decorative flakes: 0.5 kg per 10~30m² depending on the intensity of the sprinkling (depends on the desired decorative effect).</p> <p>Sealing Layer: The sealing layer should be applied after the structural layer has bonded. The sealing layer is SICONOFLOOR PU SATIN or SICONOFLOOR PU MATIN polyurethane varnish. Before the varnish is applied, unbound decorative flakes, if any, should be removed from the floor. The sealing layer does not require deaeration with a spiked roller. The material should be painted with a velour roller for varnishes in a cross-wise fashion maintaining the efficiency of max. 100g/m². After work, the tools should be washed with warm water.</p>		
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 particular 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: 05/2017

All previously issued sheets of the Siconofloor Aquapox Deco system shall expire on the date of issue of this sheet.