

## SOLID AND DURABLE INDUSTRIAL FLOOR

### **Technical Data Sheet**

Product description			e, polyurethane, low-vis ral (indirect) coating betwe	cosity resin. Ideal for high build floorings and een primer and varnish.	
Use	<ul> <li>Possible application of the material with adjustable thickness, ideal for application in high build systems,</li> <li>Material for internal use as a bonding bridge,</li> <li>The resin can be used in sprinkled systems with adjustable degree of slip resistance.</li> </ul>				
Properties	<ul> <li>Very high intercoat adhesion ,</li> <li>High chemical resistance,</li> <li>Good resistance to abrasion,</li> <li>Good mechanical parameters (hardness, tensile strength, bending strength),</li> <li>Ensures hydrophobic properties,</li> <li>Low viscosity,</li> <li>Easy application,</li> <li>Application versatility,</li> <li>Frost resistance.</li> </ul>				
		Physical proper	ties of Siconofloor PU-H	IB	
Form		Component A modified polyol Component B isocyanate hardener			
Density (according to PN EN ISO 1675)				$1.05 \sim 1.2 \text{ g/cm}^3$	
Suitability for use		Component B         0.99~1.15 g/cm <sup>3</sup> 35 minutes at 20°C         0.99~1.15 g/cm <sup>3</sup>			
Theoretical consumption of the blend		Minimum 2.5 kg/m <sup>2</sup> in case of using as a smooth screed			
		Component A colorful and odorless			
Color and odor		Component B liquid with a characteristic brown color			
Hygiene tests		Meets the requirements; Hygienic Certificate No. HK/B/0757/02/2015			
Practical use of the blend		Strongly depends on the use, aggregate fractions, application technique, application conditions, roughness degree Light load 24h at 25°C			
Curing time		Ful	Light load	7 days	
Viscosity (Brookfield DV-II). The test was conducted at 20°C using 04 spindle and 20 RPM rotational speed.		Component A		700~890 mPa*s	
		Component B		200~260mPa*s	
		Mechanical prope	erties of Siconofloor PU-		
0.4.	Dust dryness			12 hours at 20°C	
	ardness (after 7 d ardness (after 7 d				
JIA IId	aiuliess (aitei 7 u		Application	70	
Substrate preparation	The substrate must have sufficient compressive strength (minimum 25 N/mm <sup>2</sup> ). The surface must be flat, slightly rough, dark and dry, cleaned of all contaminants. "Pull off" test should not give a result below 1.5 N/mm <sup>2</sup> . If in doubt, make a reference area. Parts of the substratewith insufficient strength, cement slurry and fragments contaminated with oils must be removed mechanically, e.g., by means of grinding or milling. Before the material application, the substrate must have open pores. Immediately before the material application, the substrate must be dusted and vacuumed.				
Priming conditions	Substrate temperature should be +5~30°C. Please note, that the lower the temperature, the longer the process of SICONOFLOOR PU-HB curing. Ambient temperature should be +5~30°C. Substrate moisture content should be a maximum of 5%. Relative humidity of the air should be a maximum of 80%. Temperature of the substrate and uncured flooring must be at least 3°C above the dew point. The freshly applied SICONFLOOR PU-HB must be protected from moisture and direct water impact for at least 24 hours after the end of the application. In the case of the need for artificial heating, do not use gas, oil, paraffin nor other fossil fuels heaters. During their operation, those devices emit large amounts of water and carbon dioxide in the form of water vapor, which significantly interfere with the curing of the resin. Use only electric heaters for heating.				
Application methods	than 3 minutes. be continued. Or required. Please distribution syste The material mu Component B an product with ch entrainment and	After the initial mixing, Quartz sand (best of 0 e note that the additioners and adding it cause ust be mixed for other re indicated on the pack aracteristics different for therefore it should be	the material is to be pour .1~0.3mm fraction) may on of an aggregate can see deterioration of the se 2 minutes until a homoge kaging and they must not rom the ones declared be avoided. Use low speed	nents until a uniform consistency, but not for less red into a separate container and the mixing must be added to the mixed A and B components, if only be done in the case of using resin in self- elf-distribution properties and a tendency to bleed. eneous blend. Stirring ratios of Component A and be changed. Changing the proportions results in a by the manufacturer. Over mixing can cause air electric stirrer for the resin mixing (300 ~ 400 rpm) olvents can be added to the resin.	

#### Sicon Spółka z ograniczoną odpowiedzialnością Sp. k.

#### 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



## SOLID AND DURABLE INDUSTRIAL FLOOR

# SICONOFLOOR PU-HB

Self-distributing	Apply on hardened and primed substrate (SICONOFLOOR GF-E substrate) SICONOFLOOR PU-HB to the desired		
system	thickness using a trowel or squeegee on special teeth. So distributed resin must be bleed using a roller with spikes.		
	Light loads are possible after 24 hours from the of the last layer application.		
	Wash tools with acetone or xylene immediately after use. Hardened or cured material can only be removed		
	mechanically.		
Sprinkled system	Apply properly mixed resin on the hardened, primed and sprinkled substrate using a metal trowel until evenly		
(anti-slip, for internal	distribution of the resin on the desired surface. So distributed material should be sprinkled with the aggregate of		
use)	the desired fraction to fully cover the resin (invisible colorful spots after SICONOFLOOR PU-HB material). After a		
	minimum of 24 hours application of Sika floor PU-HB as a varnish on the sprinkled system can be started. Excess		
	of aggregate which did not bind with the resin must be carefully swept, so there were no non-grain aggregate on		
	the flooring.		
	The material after thorough components mixing should be applied using a metal trowel or an appropriate chemical		
	resistant rubber trowel, depending on the desired degree of roughness. Apply the material until the total flooring		
	coating with an even coating of resin. So prepared surface is left to cure. Light loads are possible after 24 hours		
	from the of the last layer application. Please note that it is necessary to apply varnish closing the entire system		
	because there is a risk of the floor discoloration.		
Conditions of the	Store it in a dry place at +5~30°C. Components A an B in a liquid state are the agents causing water pollution and		
system components	should not get into drains, soil and watercourses. At the cured state the resin is environmentally neutral. It is		
storage	unacceptable to store components in open buckets.		
	Comments and recommendations		
Health and safety	Use personal protective equipment when working with resins. This equipment is precisely listed in the Material		
conditions	Safety Data Sheets of SICONOFLOOR PU-HB material components available upon request. Adequate ventilation		
	must be ensured when working in cramped or confined spaces and when drying. Do not weld nor approach naked		
	flame sources, when working. Use the illumination lamps with appropriate protections. Detailed information		
	concerning health, safety, and ecological data, material toxicological properties data, etc., are available in the		
	Material Safety Data Sheet of SICONOFLOOR PU-HB. Do not allow contact with the skin. Avoid inhaling vapors of		
	the heated material. Avoid contact of the individual components with acids, strong oxidizing agents, alkalis. All		
	employees should be thoroughly trained in the handling of epoxy resins and curing agents, in terms of the existing		
	threats. Do not assign work with resins to allergy sufferers. Use protective gloves and goggles in case of the resin		
	splashes risk. After each resin contact with the skin, wash your hands with water and a mild detergent, do not use		
	benzene, toluene or carbon tetrachloride! For hygiene reasons, do not eat, drink, nor smoke in the workplace. It is		
	unacceptable to leave buckets with resin in open containers.		
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 a 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: 01/2016		
	All previously issued Siconofloor PU-HB safety data sheets shall expire on the date of issue of this sheet.		
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