

SOLID AND DURABLE INDUSTRIAL FLOOR

SICONOFLOOR PU-SB

Technical Data Sheet

Product description	Colorful, two-co		al for high build floorings and protective coatings
Use	Possible apMaterial forCan be useThe resin ca	plication of the material with adjustable coating t internal use as a bonding coating, d anywhere where high flexibility of the surface a an be used in sprinkled systems with adjustable	and the ability to stress transfer are required,
Properties	Ability of craPossibility oHigh chemicGood resistGood mech	ation, versatility,	h, bending strength),
			ОВ
Form		Component A modified polyol Component B isocyanate hardener	
Density (according to PN EN ISO 1675)		Component A Component B	1.05~1.2 g/cm ³ 0.99~1.15 g/cm ³
Suitability for use		35 minutes at 20°C	
Theoretical consumption	n of the blend	Minimum 2.5 kg/m2 in case of using as a smooth screed	
Color and odor		Component A colorful and odorless Component B liquid with a characteristic brown color	
Hygiene tests		Meets the requirements; Hygienic Certificate N	
Practical use of the blen	d	roughness degree	tions, application technique, application conditions,
Curing time		Light loads 24h at 25°C	
Viscosity (Brookfield DV-II). The test		Full load Component A	7 days 700~890 mPa*s
was conducted at 20°C using 04 spindle and 20 RPM rotational speed.		Component B	200~260mPa*s
		Mechanical properties of Siconofloor PU	LSB
	Dust dryness		12 hours at 20°C
ShA ha	ardness (after 7 d	avs)	80°
	ardness (after 7 d		
	,	Application	
Substrate preparation	The substrate must have sufficient compressive strength (minimum 25 N/mm²). 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/mm². If in doubt, make a reference area. Parts of the substrate with 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 be dusted and vacuumed.		
Priming conditions	SICONOFLOOR maximum of 5% uncured flooring protected from n the need for art those devices e	R PU-SB curing. Ambient temperature should be 6. Relative humidity of the air should be a manage must be at least 3°C above the dew point noisture and direct water impact for at least 24 has ificial heating, do not use gas, oil, paraffin nor	e lower the temperature, the longer the process of +5~30°C. Substrate moisture content should be a ximum of 80%. Temperature of the substrate and freshly applied SICONFLOOR PU-SB must be sours after the end of the application. In the case of other fossil fuels heaters. During their operation, de in the form of water vapor, which significantly r heating.
Application methods	First mix A com than 3 minutes. be continued. Or required. Please causes deteriors other 2 minutes	ponent, then add B component, mix the component, the initial mixing, the material is to be pour autrest and (best of 0.1~0.3mm fraction) may note that the addition of an aggregate can only ation of the self-distribution properties and a term until a homogeneous blend. Stirring ratios of Co	prients until a uniform consistency, but not for less ared into a separate container and the mixing must be added to the mixed A and B components, if be done in self-distribution systems and adding it endency to bleed. The material must be mixed for emponent A and Component B are indicated on the apportions results in a product with characteristics

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Krajowego Rejestru Sądowego



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	different from the ones declared by the manufacturer. Over mixing can cause air entrainment and therefore it
	should be avoided. Use low speed electric stirrer for the resin mixing (300 ~ 400 rpm) or another suitable
	equipment. No foreign substances such as solvents can be added to the resin.
Self-distributing	Apply on cleaned and primed substrate (SICONOFLOOR GF-E substrate) SICONOFLOOR PU-SB to the desired
system (for internal	thickness using a trowel or squeegee on special teeth. So distributed resin must be bleed using a roller with spikes.
use)	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. Please remember about the
	need of applying a varnish sealing the whole system, otherwise there is a risk of the coating yellowing.
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-SB material). After a
use)	minimum of 24 hours application of Sikafloor PU-SB 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.
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-SB 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. is available in the
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