Technical Data Sheet

Product description	Colorless, two-component, waterborne, polyurethane varnish. Ideal as a sealing coating for smooth systems and systems sprinkled with aggregate. It is characterized by satin (semigloss) effect. Increases mechanical and functional parameters of the flooring.		
Use	• As a finishing varnish, protecting smooth polyurethane and epoxy floorings, • Material for internal use as sealing coating.		
Properties	• Very high adhesion, • Effect of satin finishes, • **Very high efficiency, up to 14 m^2 of the flooring surface can be made with 1 kg,** • Good mechanical parameters, • High chemical resistance, • Good resistance to abrasion • Ensures hydrophobic properties, • Low viscosity, • Easy application.		
Physical properties of Siconofloor PU SATIN			
Form	Component A white, odorless liquid		
	Component B colorless curing agent		
Density (according to PN EN ISO 1675)	Component A	0.95~1.1 g/cm^3	
	Component B	0.99~1.15 g/cm^3	
Suitability for use	3 hours at 23°C		
Theoretical consumption of the blend	0,15~0,2 kg/m^2 when used as a varnish		
Color and odor	Component A white and odorless		
	Component B transparent and odorless		
Hygiene tests	Meets the requirements; Hygienic Certificate No. HK/B/0757/02/2015		
Curing time	Light load after 24h at 25°C		
	Full load	7 days	
Viscosity (Brookfield DV-II). The test was conducted at 18.4°C using 04 spindle and 20 RPM rotational speed.	Component A	1450~1650 mPa*s	
	Component B	630~660 mPa*s	
Application			
Application methods	First mix A component, then add B component, mix the components until a uniform consistency, but not for less than 3 minutes. Stirring ratios of Component A and Component B are indicated on the packaging and they must not be changed. Changing the proportions results in a product with characteristics 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.		
Smooth systems sealing coating	Apply SICONOFLOOR PU SATIN using a synthetic fiber roller with fine bristles according to the art of painting; ensure that a uniform and continuous coating is obtained. Apply while maintaining efficiency of approx. 70 g/m^2. Paint using crosswise method of painting.		
Sprinkled systems sealing coating	Apply SICONOFLOOR PU SATIN using a synthetic fiber roller with fine bristles according to the art of painting; ensure that a uniform and continuous coating is obtained. Apply while maintaining efficiency of approx. 70 g/m^2. Paint using crosswise method of painting. Wash tools with water immediately after use. Hardened or cured material can only be removed mechanically.		
Conditions of the system components storage	SICONOFLOOR PU SATIN resin is a material with a reduced tendency to crystallization process. 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 should not get into drains, soil and watercourses. After curing the resin is environmentally neutral.		
Comments and recommendations			
Health and safety conditions	Use protective clothing, gloves and goggles when working with resins. 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 Material Safety Data Sheet of SICONOFLOOR PU SATIN. 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. Flooring covered with SICNOFLOOR PU SATIN varnish may not be cleaned with solvents.		
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 Satin safety data sheets shall expire on the date of issue of this sheet.