

SOLID AND DURABLE INDUSTRIAL FLOOR

Technical Data Sheet

Product description	Colorless, two-component, solvent free, epoxy, low-viscosity resin. Ideal for "Stone Carpet" type systems as structural and sealing coating.				
Use	 Impregnation and reinforcement of all types of mineral substrates, Possibility of filling the material, as a high build, transparent resin screed without fillers, 				
			side buildings as structur		
Properties	Very high intercoat adhesion,				
	High degree of transparency,				
	High chemical resistance,				
	High resistance to UV radiation,				
	Good resistance to abrasion,				
	Good mechanical parameters (hardness, tensile strength, bending strength),				
	Ensures hydrophobic properties,				
	 Low viscosity, Easy application, 				
	 Easy application, Good penetration of mineral substrates, 				
	 Good pertenation of mineral substrates, Frost resistance, 				
	 Application versatility. 				
	, pp.ioa.ioi		es of Siconofloor CS-E		
Form		Component A modifie			
Form		Component B amine			
Density (according to DN	EN ISO 1675)	Component A		1.05~1.2 g/cm ³	
Density (according to PN EN ISO 1675)		Component B		0.99~1.15 g/cm ³	
Suitability for use		3 hours at 20°C			
Color and odor		Component A transpa			
	Component B liquid with a characteristic odor Meets the requirements; Hygienic Certificate No. HK/B/0757/01/2015				
Hygiene tests		Meets the requirement			
Curing time		E.J		er 72h at 25°C:	
			l load	10 days	
Practical use of the blend		It strongly depends on the use, aggregate fractions, application technique, application conditions, roughness degree: see the system data sheet			
Viscosity (Brookfield DV-II). The test was conducted at 20°C using 04 spindle and		Component A		1090~1100 mPa*s	
rotational speed. 20 RPM.		Component B		700~732 mPa*s	
Stirring ratio			A:B	100:26 (by weight)	
Curring radio			ties of Siconofloor CS-I		
Dust dryness		72 hours at 20°C			
ShA hardness (after 10 day					
ShD hardness		83°			
			plication		
Substrate preparation	ion The substrate must have sufficient compressive strength (minimum 25 N/mm ²). The surface must be flat, rough, dark and dry, cleaned of all contaminants. "Pull off" test should not give a result below 1.5 N/mr doubt, make a reference area. Parts of the substrate with insufficient strength, cement slurry and frag				
				means of grinding or milling. Before the material	
	application, the	substrate must have op		efore the material application, the substrate must	
	be dusted and v				
Application conditions	Substrate temperature should be 5~40°C. Please note, that the lower the temperature, the longer the process of				
	SICONOFLOOR CS-E curing. Ambient temperature should be 5~40°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 CS-E must be protected from moisture and direct water impact for at least 24 hours after the end of the application. The				
	formation of milky spots on the surface indicates contact of the fresh material with moisture resulting in a				
	discrepancy between the of properties of the final product and the properties declared by SICON POLSKA. 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	First mix A component, then add B component, mix the components until a uniform consistency, but not for less				
	than 3 minutes. Quartz sand may be added to the mixed A and B components, if required, mix for other 2				
	minutes until a homogeneous blend. 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 string 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				
		aca. Use iow speed e		in mixing (000 · Too ipin) of another suitable	

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



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	equipment.			
Resin screed	Spread SICONOFLOOR CS-E along with appropriate aggregate using battens of steel, best on guide rails. After a short time, the mortar must be compacted and leveled with fingers or a mechanical float (20-90 rpm) with blades coated with chemical resistant material. The proportions of SICONOFLOOR CS-E resin to the aggregate depends on the aggregate grain size, but the most commonly 8% of resin weight of the aggregate is used. Wash tools with acetone or xylene immediately after use. Hardened or cured material can only be removed mechanically.			
Conditions of the	SICONOFLOOR B50-E resin is a material with a reduced tendency to crystallization process. Store it in a dry			
system components	place at +5~30°C. Components A an B in a liquid state are the agents causing water pollution and should not get			
storage	into drains, soil and watercourses. After curing the resin is environmentally neutral. Comments and recommendations			
Health and a state				
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 CS-E. 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.			
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 CS-E safety data sheets shall expire on the date of issue of this sheet.			

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UI. Pod Borem 22B 36-060 Głogów Małopolski

t: +48 17 860 01 16 e: biuro@sicon.pl

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