

Sicon shotcrete patching mortar SZT8, ready to use cement-based dry blend for spraying, with a maximum coating thickness of 80 mm

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Product description	Ready to use, cement-based dry blend		
Scope of application		of concrete surfaces, i.e., of bridges, tunnels, water	
	dams, sewage treatment plants, drinking water re	eservoirs,	
	 Both internal and external use possible, In places of chemical loads, in case of high concentration of sulphate in the substrate. 		
Dranartian		entration of sulphate in the substrate.	
Properties	does not contain chlorides,		
	 resistant to frost and de-icing salts, 		
	 short setting time, 		
	low shrinkage,		
	 very good adhesion to concrete, 		
	 sulphate resistant cement based Complies with the requirements of PN EN 206-1, exposure classes from XA2 to XA3, reaction to fire - non-inflammable, A1 class - according to PN EN 13501-1+A1:2010, concrete class C35/45, 		
		13501-1+A1:2010, concrete class C35/45,	
	Coating thickness from 30 to 80 mm.	-1	
A mmooren oo	Characteristics of the produc	ct	
Appearance Packaging	Gray powder	single pallet: 42 x 30 kg – 1260 kg per ouro pallet	
Fackaging	30 kg paper bag, reinforced with polyethylene foil; single pallet: 42 x 30 kg = 1260 kg per euro pallet.		
Shelf life	9 months from date of manufacture, assuming storage in undamaged original packaging.		
Storage conditions	Store the product in a dry, cool place, avoid direct sunlight.		
	Technical data		
Adhesion to the			
substrate	≥ 1.5 MPa		
according to PN-EN 1542		Operation stress with [NID-1	
Compression strength	00 dava	Compression strength [MPa]	
according to PN-EN 13892-2:2004	28 days	≥45	
15692-2.2004	Shrinkage after 90 days	<1.0 mm	
	E-module	29 000 MPa	
	Application		
Consumption	Estimated consumption of the preparation:		
	Approx. 0.43 I of fresh mortar using 1 kg of SICON SZT8 dry blend,		
	• Approx. 2200-2400 kg of dry blend, per 1 m ³ of the mortar.		
	Approx. 24 kg/m ² /10 mm (plus splinter up to 25% depending on the surface).		
Substrate preparation	The substrate should be cleaned of components reducing its adhesion. It is possible to use blasting,		
	shot blasting or high pressure water jetting method. At the same time, it shall allow for obtaining a rough		
	 surface of the substrate. in terms of strength – the average strength of the substrate tested using "pull-off" method should be 		
	at least 1.5 MPa, and the value of a single measurement should not be less than 1.0 MPa,		
 discovered damaged parts of reinforcing steel should be cleaned in accordance with s according to PN-EN ISO 8501-1, 		i should be cleaned in accordance with Sa 2 /2,	
		vith water the substrate should be matt and damp	
	 so prepared substrate should be moistened with water, the substrate should be matt and damp immediately prior to application of the material. 		
Mixing ratio	Approx. 2200 – 2400 kg of dry blend per 1 m^3 of the	mortor	
Mortar application	SICON SZT8 mortar is applied by dry spraying, using a suitable equipment. Sample parameters of the devices: rotor 0,7 I, material feeding tube Ø 38 mm or 55 mm, nozzle Ø 32/28		
	mm or 30 or 50 mm, compressor with a capacity of minimum 7 m ³ /minute. Water inflow to the nozzle		
	should provide for obtaining a uniform wet blend, with the water pressure of at least 6 bars.		
	The mortar is applied in coatings with a thickness of		
Application			
Application			
Curing	steps are to be determined, is very important for any future concrete repair work.Freshly treated surfaces should be protected from drying out too quickly. It is recommended a water		
carnig	sprinkling or use of a preparation for surface protection.		
	Application conditions		
Ambient temporaturo	minimum +5°C, maximum +30°C,		
Ambient temperature	 minimum +5°C, maximum +30°C, recommended application conditions: temperature approx. +20°C, relative humidity of air approx. 50 		
	recommended application conditions: temperatul %.	The approx. ± 20 C, relative number of air approx. 50	
Material processing time			
waterial processing time	Material processing time: • is approx. 45 minutes at +23°C,		
		increases the processing time	
	 with the relative humidity of air – higher humidity 	increases the processing time.	

Sicon Spółka z ograniczoną odpowiedzialnością Sp. k.

NIP: 517 027 17 17 REGON: 1180372420 KRS: 0000633637

ul. Pod Borem 22B 36-060 Głogów Małopolski

Sąd Rejonowy w Rzeszowie XII Wydział Gospodarczy



SOLID AND DURABLE INDUSTRIAL FLOOR

Comments and recommendations		
Health and safety conditions	The main component of the preparation is cement; therefore use personal protective equipment, the same as when working with cement, i.e., gloves and goggles, when handled. Detailed guidance on safety, health and hazardous properties of the material are included in the Material Safety Data Sheet - supplied by the manufacturer upon request. Disposal of empty packaging lies with the end user and should be carried out in accordance with applicable regulations.	
Legal notices	These instructions has been drawn up according to the current state of the art and experience in the application of the product, they refer to the products stored in accordance with the specified instructions. The product documentation provides for 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 Sicon SZT8 safety data sheets shall expire on the date of issue of this sheet.	

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