

Dry cement-based injection blend with a grain size of 0.125 mm for the concrete internal voids filling

Product characteristics	Blend ready-to-use dry - after mixing with water - suitable for injection in horizontal and vertical planes.		
Scope of application	<ul style="list-style-type: none">• Filling voids, crevices, cracks, scratches, etc. in concrete, brickwork and stone walls,• Executing high-rate grouts under faulting concrete slabs,• Supplementing voids after drilling, etc.		
Properties	<ul style="list-style-type: none">• Possibility of applying both in the pressure and non-pressure method,• Penetration capacity and high liquidity,• Fast strength development,• High final strength,• Low shrinkage.		
Technical data			
Mechanical properties	Compression strength [MPa]		
	1 day	7 days	28 days
	25.4	58.30	59.10
	Bending strength, MPa		
	1 day	7 days	28 days
	4.2	4.8	4.9
The above technical data refers to a plastic consistency, i.e. with a water content of approx. 22%.			
SICON SHOT 70 product data			
Form	Gray powder		
Package	20 kg paper bags with polyethylene foil, 54 x 20 kg = 1080 kg single Europallet		
Shelf life	Shelf life of the product is 12 months (indicated on the product packaging).		
Storage conditions	Store the product in a dry, cool place, avoid direct sunlight.		
Application			
Consumption	Approx. 12-13 l of mortar is obtained from 20 kg of the product. Approx. 1800 kg of dry blend must be used for the preparation of 1m ³ of the mortar.		
Substrate preparation	The substrate must be cleaned of dirt reducing adhesion (loose fractions, dust, oil stains, grease etc.). Use compressed air for this purpose, if necessary. Moisten the surface with water (avoiding the formation of stagnation). Then seal gaps and cracks and install packers for injection.		
Stirring ratio	Plastic consistency (horizontal planes): - 4.4 l of water per 20 kg of the product (approx. 22 % of water) liquid consistency: - 5.6 ÷ 6.4 l of water per 20 kg of the product (approx. 28 – 32 % of water)		
Stirring	The product should be mixed with clean water using a contra-rotating stirrer or a contra-rotating concrete mixer. Pour into a vessel or a concrete mixer 2/3 of the gauging water, the contents of the bag and briefly mix all, then pour the remainder of the water and mix again until reaching the desired consistency. The total mixing time should be approximately 4 - 6 minutes. The equipment used for the preparation should be cleaned with water.		
Method of application	The material application should be executed using low-pressure injection pumps.		
Application conditions			
Ambient temperature	Minimum +5°C , maximum +30°C, Time of the product treatment (for the temperature of +20°C and relative humidity of approx. 50%) is approx. 60 minutes. It is extended at lower temperature and higher humidity and shortened at higher temperature and lower humidity.		
Comments	Pressing the diluted product should be performed in a continuous manner. Too long interval can cause curing of the liquid slurry in a pump and pipes of the injection equipment. Do not further dilute the cured material.		
Comments and recommendations			
Health and safety conditions	The product contains cement, therefore, in case of its application; use personal protective equipment as gloves and goggles. 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.		
Legal notices	<p>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 LTD. All information is provided in good faith, taking into account the current state of the art and the experience gained.</p> <p>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.</p> <p>Date of issue: 01/2016</p> <p>All previously issued Sicon SHOT 70 safety data sheets shall expire on the date of issue of this sheet.</p>		



SOLID AND DURABLE INDUSTRIAL FLOOR

SICON SHOT 70

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