

**Technical sheet**

Product description	Resin preparation for priming steel substrates in Siconofloor Roadway systems. Together with other components of the system, it creates an insulation and surface layer for pavements, roadways and bicycle paths on steel or concrete bridges, folding bridges, drawbridges and modular bridges.		
Application	<ul style="list-style-type: none"><li>• Priming of steel surfaces,</li><li>• As a primer for epoxy and polyurethane systems,</li><li>• Binder for creating repair mortars, screeds and levelling putties on steel systems.</li></ul>		
Properties	<ul style="list-style-type: none"><li>• Very high adhesion to steel,</li><li>• Increases the adhesion of subsequent layers to the substrate,</li><li>• Good chemical and mechanical resistance,</li><li>• Low viscosity,</li><li>• Ease of application,</li><li>• Frost resistance,</li><li>• Reduced tendency to crystallize.</li></ul>		
Physical properties of Siconofloor Roadway 160			
Character	Component A modified epoxy liquid		
	Component B amine hardener		
Density (according to PN EN ISO 2811-1: 2012 )	Component A	1.05~1.2g/cm <sup>3</sup>	
	Component B	0.99~1.15g/cm <sup>3</sup>	
Working life	30 -40 minutes to a temperature of 20°C		
Theoretical consumption of the mixture	0.3 ~ 0.6 kg/m <sup>2</sup> when used as primer resin		
Colour and smell	Component A is transparent and odourless		
	Component B is a yellowish liquid with a characteristic smell		
Hygiene tests	Meets requirements;		
Practical consumption of the mixture	Strongly depends on the intended use, substrate quality (absorptivity), application technique, application conditions, degree of roughness. Average consumption 0.3~0.5 kg/m <sup>2</sup> . Two layers of resin are recommended for porous substrates.		
Curing time	8h light loads at 25°C		
	Full load capacity	7 days	
Viscosity ( according to PN EN ISO 2555: 2011)	Component A	740~1000 mPa*s	
	Component B	680~960 mPa*s	
Mechanical properties of Siconofloor ROADWAY 160			
Content of non-volatile substances (according to PN-EN ISO 3251: 2008)	80°C 97.91 ± 1%		
	105°C 97.00 ± 1%		
ShA hardness (after 7 days)	100°		
ShD hardness (ShD hardness after 7 days 82 ShD)	10°	after 24h 55° ShD	
		after 48h 80° ShD	
	20°	after 24h 70° ShD	
		after 48h 80° ShD	
Application			
Preparation of the substrate	The surface of the steel substrate should be free of all impurities, salt and grease. The degree of surface preparation is Sa 2 ½ according to PN ISO 8501-1: 1996. Surface roughness not less than 75 µm according to PN EN ISO 8503-2: 1999.		
Application conditions	The temperature of the substrate should be +5~30°C. It should be remembered that the lower the temperature, the longer the curing process of SICONOFLOOR ROADWAY 160. Ambient temperature should be +5~30°C. The substrate should be dry and free of dust and grease. If the primed surface is left for the next coat with a break exceeding 48 hours, the primed surfaces should be gently matted by sanding with fine sandpaper and then removing the remaining dust. Freshly applied SICONOFLOOR ROADWAY 160 must be protected against moisture and direct exposure to water for at least 24 hours from the completion of application. The formation of laitance discolouration on the surface indicates contact of fresh material with moisture resulting in divergence in the properties of the final product from the properties declared by SICON Sp.K . Sp. z o.o.		
Application methods	Pre-mix component A, then add component B, mix the components until a homogeneous consistency is obtained, but not less than 3 minutes. The mixing ratio of Component A and Component B is shown on the packaging and must not be changed. Changing the proportions will result in a product with properties different from those declared by the Manufacturer. Mixing for too long may cause air entrainment and should therefore be avoided. To mix the resin, use a low speed electric stirrer (300 ~ 400 rpm) or other equipment designed for this.		

<b>Priming layer</b>	Apply SICONOFLOOR ROADWAY 160 with a brush or roller in accordance using a painting technique, ensuring that a uniform, continuous coating is obtained, if necessary, apply a second layer.
<b>Comments and recommendations</b>	
<b>Health and safety conditions</b>	<p>During all work with resins, use protective clothing, gloves and glasses. Adequate ventilation must be provided when working in confined or closed rooms, and during drying. When working, do not weld and do not come close to open fire sources. Use lighting lamps with appropriate safety measures. Detailed information on health, safety, as well as data on ecological, toxicological properties of the material, etc. are available in the Material Safety Data Sheet for SICONOFLOOR ROADWAY 160. Avoid contact with skin. Avoid breathing vapours from heated material. Do not allow individual components to come into contact with acids, strong oxidants, bases. All employees should be thoroughly trained in the handling of epoxy resins and hardeners with regard to the existing hazards. Allergy sufferers must not be commissioned to work with resins. If there is a risk of splashing the resin, use protective gloves and goggles. After each contact of the resin with the skin, wash with water with the addition of mild cleaning agents, do not use benzene, toluene or carbon tetrachloride! For hygiene reasons, you should not eat or drink in the workplace, and also not smoke there.</p>
<b>Concluding remarks</b>	<p>The technical data provided is based on laboratory trials and tests. Practical measurement results may differ from the attached ones, due to circumstances over which Sicon Sp. z o.o. Sp.K. has no control. All information is given in good faith and takes into account the current state of knowledge and experience.</p> <p>The manufacturer informs that the colour of the finished floor may vary. This phenomenon does not indicate a defect of the floor or reduced technical parameters. Possible discolouration may appear because of the way in which work and drying take place. It is recommended to cover specific surfaces with batches of materials from one production batch. The product documentation provides general information that is appropriate under certain conditions.</p> <p>Prior to large-scale use of the product, it is recommended that the purchaser perform an application test under the specific environmental conditions of the construction site. The supplier has no influence on the types of applications, methods of application and conditions of implementation occurring on a construction site, therefore, these instructions cannot result in his responsibility for the final result of the application. Recommendations of Sicon's associates that deviate from the information contained in the technical sheet, are binding only if confirmed in writing.</p> <p>Date of issue: 02/2018</p> <p>All sheets of the Siconofloor ROADWAY 160 system issued so far shall expire on the day of the issuing of this sheet.</p>