

**Product technical sheet**

|  |   |                             |
|--|---|-----------------------------|
| Description of the product                             | A flexible, chemically cured, two-component product based on polyurethane resin intended for sealing layer on insulation -surface layer in Siconofloor Roadway BC-PU systems. The basic application is a flexible, UV-resistant sealing resin with high mechanical strength used on pavements, roads and bicycle paths on steel or concrete bridges, folding bridges, drawbridges and modular bridges.  |                             |
| Application  | <ul style="list-style-type: none"><li>• Component of systems designed for communication engineering,</li><li>• For creating a sealing layer of waterproofing and insulation on concrete and steel surfaces exposed to atmospheric conditions and mechanical loads, e.g. pavements, footbridges, bicycle paths, ramps, multi-storey car parks and industrial floors.</li></ul>   |                             |
| Properties   | <ul style="list-style-type: none"><li>• Very high adhesion to primed steel and concrete substrate,</li><li>• Highly flexible material</li><li>• Good chemical and mechanical resistance,</li><li>• HIGH CAPACITY COVERING,</li><li>• VERY HIGH RESISTANCE TO UV RADIATION,</li><li>• High density and viscosity,</li><li>• Ease of application,</li><li>• Frost resistance,</li><li>• Reduced tendency to crystallise.</li></ul>  |                             |
| Physical properties of Siconofloor Roadway FINISHER PU |   |                             |
| Density (according to EN ISO 2811- 1: 2012)            | Component A   | 1.49~1.65 g/cm <sup>3</sup> |
|  | Component B   | 0.98~1.15 g/cm <sup>3</sup> |
| Pot life   | 30-40 minutes at 20°C   |                             |
| Theoretical mixture consumption                        | Circa 0.6 kg/m <sup>2</sup> when used as sealing resin on aggregate of 0.2-0.8 mm   |                             |
| Colour and odour                                       | Component A coloured and odourless  |                             |
|  | Component B transparent liquid with a characteristic odour  |                             |
| Hygiene tests  | Complies with requirements;   |                             |
| Practical mixture consumption                          | Strongly depends on the intended use, the quality of the substrate (absorptivity), the application technique, application conditions, and the degree of roughness. Average consumption 0.3- 0.6 kg/m <sup>2</sup> . Two layers of resin are recommended for porous substrates.  |                             |
| Curing time  | Light loads after 8 hours at 25°C   |                             |
|  | Full load capacity  | 7 days                      |
| Viscosity (according to PN EN ISO 2555:2011)           | Component A   | 8500~27850 mPa*s            |
|  | Component B   | 200~360mPa*s                |
| Application  |   |                             |
| Preparation of the substrate                           | The material is spread on a previously primed surface. Any loose fragments of the substrate, organic and inorganic impurities, cement milk, which may have a negative effect on the bond of Siconofloor Roadway Finisher - PU with the substrate, must be removed. Any unevenness should be levelled by PCC material or a putty made of Siconofloor Roadway 130 material and quartz sand. The steel substrate should be cleaned to Sa 2½ grade, free from flaking. Before starting the laying process, the surface should be dusted off and the steel, galvanized and cornice elements should be protected against contamination.   |                             |
| Application conditions                                 | The substrate temperature should be +10~25°C. It should be remembered that the lower the temperature, the longer the curing process of SICONOFLOOR ROADWAY FINISHER-PU takes. The ambient temperature should be +12~30°C. The substrate should be dry and free from dust and grease.<br>Freshly applied SICONOFLOOR ROADWAY FINISHER-PU must be protected against moisture and direct exposure to water for at least 24 hours after the application is completed. The formation of milky discolouration on the surface indicates the contact of fresh material with moisture, resulting in a discrepancy in the properties of the final product from the properties declared by SICON. Sp. z o.o Sp. K..  |                             |
| Application methods                                    | Mix component A initially, then add component B, stir the ingredients until a homogeneous consistency is achieved, but not less than 3 minutes. Then, pour the pre-mixed material into the second container and continue mixing for approx. 1-2 minutes. The mixing ratios of component A and component B are indicated on the packaging and must not be changed. A change in the ratio will result in the product having characteristics different from those declared by the Manufacturer. Too long stirring may cause aeration of the resin and should therefore be avoided. Use a slow speed electric stirrer (300 to 400 rpm) or other suitable equipment to mix the resin. The material should be spread using a rubber squeegee or metal trowel (two-way spreading, front-back, is necessary). |                             |
| Comments and recommendations                           |   |                             |
| Health and safety conditions                           | Wear protective clothing, gloves and goggles whenever handling resin. When working in confined or enclosed spaces, and during drying, adequate ventilation must be provided. Do not weld or expose open flames during the work. Use lighting lamps with the appropriate protection. Detailed information on health, safety, ecology, toxicological properties of the material, etc. is available in the Material Safety Data Sheet for SICONOFLOOR ROADWAY FINISHER-PU. Do not allow contact with the skin. Avoid breathing vapours from heated material. Do not allow individual components to come into contact with acids, strong oxidisers, alkalis. All employees should be thoroughly trained in the handling of epoxy resins and hardeners for existing hazards. Allergy sufferers must not be |                             |

|                      |   |
|----------------------|---|
|                      | <p>commissioned to work with resins. Protective gloves and goggles must be worn if there is a risk of resins splashing. Always wash your hands with water and mild cleaning agents after contact with the skin. Do not use benzene, toluene or carbon tetrachloride! For hygiene reasons, do not consume food or drinks in the workplace and do not smoke.</p>  |
| <b>Final remarks</b> | <p>These specifications are based on trials and laboratory tests. Practical results of measurements may differ from those provided, due to circumstances beyond the control of Sicon z o.o. Sp. K. All information is given in good faith and takes into account current knowledge and experience.</p> <p>The manufacturer indicates that the colour of the finished floor may vary. This phenomenon does not indicate a defect in the floor or reduced technical specifications. Possible discolouration may occur due to the way the work and drying are performed. It is recommended that particular areas be covered from batches of material from one production run. The product documentation constitutes general information, appropriate under certain conditions.</p> <p>It is recommended that the purchaser carry out an application test under specific construction environmental conditions prior to large-scale application of the product. The supplier has no influence on the types of use, application methods or execution conditions on the site, therefore these instructions may not be held responsible for the end result of the application. Recommendations of Sicon's associates that deviate from the information in the technical sheet are mandatory only if they are confirmed in writing.</p> <p>Issue date: 05/2022</p> <p>All previously issued sheets of the Siconofloor ROADWAY FINISHER-PU system shall expire on the date of issue of this sheet.</p> |