

**"Rizopur™ -5120 AS"**

Antistatic monolithic polyurethane flooring

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<b>Description</b>	Self-leveling two-component antistatic coating based on the polyurethane, solvent free.
<b>Application</b>	<p>It is used as an antistatic floor coating with thickness of 1.6 mm, is applied to a prepared concrete base, cement-sand screed. Used in quality surface layer in the "Rizokon™. <b>Anti-static coating</b>".</p> <p>It is recommended in areas with high demands on the explosion safety:</p> <ul style="list-style-type: none"> <li>- The chemical industry enterprises;</li> <li>- Production and storage of ammunition;</li> <li>- Refining industry;</li> <li>- Conducting floors in electronic and electrical industry;</li> <li>- Antistatic flooring in hospitals;</li> <li>- Laboratories that require high chemical resistance and anti static.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>- Good electrical conductivity;</li> <li>- High chemical and mechanical resistance;</li> <li>- High wear resistance;</li> <li>- Spark-proofness;</li> <li>- Covers the cracks in the base of 0.6 mm;</li> <li>- Odorless;</li> <li>- Resistant to shear and vibration impacts.</li> </ul>
<b>Application system</b>	<p><b>The system of floor covering "Rizokon™ Antistatic coating"</b></p> <ol style="list-style-type: none"> <li>1. Preparation of the foundation according to the document "<b>Guidelines for the device of the antistatic floor coverings</b>"</li> <li>2. Primer "Rizopox™ -1100". <span style="float: right;">0.3-0.4 kg / m<sup>2</sup></span></li> <li>3. Conductive copper tape or ground anchors.</li> <li>4. Primer "<b>Rizopox™ -1410 AS</b>". <span style="float: right;">0,1-0,12 kg / m<sup>2</sup></span></li> <li>5. Antistatic "<b>Rizopur™ -5120 AS</b>". <span style="float: right;">2.2-2.5 kg / m<sup>2</sup></span></li> </ol>
<b>Restrictions</b>	<ul style="list-style-type: none"> <li>- Moisture content in the coating process is no more than 4%.</li> <li>- The strength of the base in compression is not less than 200 kgf / cm<sup>2</sup>.</li> <li>- The concrete base (cement-sand screed) prior to the application must be at least 28 days.</li> <li>- Minimum foundation temperature during applying is +10 ° C.</li> <li>- Maximum foundation temperature during applying is +30 ° C.</li> <li>- Relative humidity is no more than 80%.</li> <li>- Foundation temperature should be 3 ° C higher than the measured dew point.</li> <li>- Flatness of the base is no more than 2 mm by 2-meter rod.</li> </ul>
<b>Surface preparation</b>	<p>The surface must be intact, clean, dry (humidity is no more than 4%), surface should be free from laitance, dirt, oils and contain no fragile and sticky particles. The strength of the base in compression is at least 200 kgf / cm<sup>2</sup>. Apply method of grinding for its preparation and then dedust the surface. Prepared surface should be carefully primed by <b>Rizopox™ -1100</b>, so to fill all the pores. If the primer is absorbed into the base, it is necessary to apply it repeatedly in order to have no dry places.</p> <p>Prior to coating the porous areas, sinks, potholes, cracks, differences places (roughness) of the foundation must be repaired and leveled with filler.</p> <p><b>All preparation activities must comply with the document "Guidelines for the device of the antistatic flooring."</b></p> <p>Be sure to make the finish sanding of the base to smooth state (The presence of unevenness and roughness are not allowed). Re-prime by the composition "<b>Rizopox™ -1100</b>" at a rate of 0.15-0.2 kg / m<sup>2</sup>, depending on the fraction of sand and quantity in the filler composition.</p> <p>Install conductive copper tape or ground anchors. For more detailed recommendations, please see Appendix "Technology of anti-static flooring applying."</p> <p>Apply conductive composition "<b>Rizopox-1410 AS</b>", strictly following the recommendations for consumption.</p>
<b>Mixing</b>	Open the bucket with the component A and mix thoroughly with the slow-speed (300-450 rev. / min) electric drill with the screw nozzle for 2 minutes. Open the bucket with a component B, pour it all into the container of the component A and mix until a homogeneous mixture. Pour into another container and stir it for 1 minute.
<b>Application</b>	<p>The composition is applied with a serrated spatula and rolled by a spiked roller to remove the air. You must strictly follow the material flow and control the application evenness.</p> <p><b>Please give a special attention to the lifetime of the composition!</b></p> <p>It is necessary to make control measurements of resistance after the device of pouring lead (finish anti-static) layer. Measurements of the resistance of ready-made coverage is not earlier than 14 days after laying (at temperature +20 ° C in the room)</p>

### Technical data

<b>Appearance</b>	Smooth, homogeneous, semi-gloss surface with black inclusions in the form of "fibres". After curing, some of the carbon fibers may be insignificantly above the surface coating, which does not affect the characteristics of the covering. This effect is lost during operation.
<b>Color</b>	black (approx. <b>RAL 9004</b> ), light gray (approx. <b>RAL 7032</b> ), blue-gray (approx. <b>RAL 7040</b> ), dark gray (approx. <b>RAL 7030</b> ), blue (approx. <b>RAL 5014</b> ), green (approx. <b>RAL 6011</b> ), beige (approximately <b>RAL 1001</b> ), beige-pink (approx. <b>RAL 3012</b> ).
<b>Packaging (A+B)</b>	25kg

Physical data	
<b>Density at +20C</b>	(A+B) <span style="float: right;">-1.43±0.05g/cm<sup>3</sup></span> (State Standard 28513-90)
<b>Dynamic viscosity at +20C</b>	(A+B) <span style="float: right;">3.9±0.5 Pa c</span> (State Standard 25276-82)
<b>Specific surface resistance</b>	(A+B) <span style="float: right;">10<sup>9</sup> Ohm</span> DIN 51 953
<b>Reaction capability</b>	Drying time to degree 3, at 20 ± 2 ° C, h, not more than <span style="float: right;">18</span> (State Standard 19007 - 73 *)
<b>Mechanical properties (14 days and nights at +20C)</b>	Strength at break, not less (State Standard 11262-80*) <span style="float: right;">6.5 MPa</span> Adhesion of the coating in the separation from the concrete <span style="float: right;">2 MPa</span> not less than (State Standard 28574-90) Relative elongation at break <span style="float: right;">60%</span> Not less than (State Standard 11262-80) Resistance to shock effects from a height of 1m, <span style="float: right;">5 kg</span> not less than (with a thickness of 4 mm) (State Standard 30353-95)
<b>Storage</b>	Store in a dry place at temperatures between +10 ° C to +30 ° C. Avoid direct exposure to sunlight. Tanks with a partially-used material should be tightly closed.
<b>Warranty period</b>	6 months from the date of production under recommended storage conditions in original packaging.
<b>Safety measures</b>	This product may cause irritation on sensitive skin of people. Before you start work, apply protected cream to exposed skin. You must use protective clothing, gloves and glasses. If the composition or its components accidentally fall into the eyes, respiratory organs or skin, rinse immediately with warm water and consult a physician. The components A and B are a fire hazard - no smoking allowed, working with on- firing and using electric heaters near the place of the material storage and manufacturing operations. When working in the enclosed spaces it is important to ensure appropriate ventilation during application and drying. In the liquid condition the components A and B can contaminate water sources, they can not be discharged into sewage drains and ponds, as well as inadmissible their penetration into the soil.
<b>Tool cleaning</b>	In order to remove uncured material from tools please use an organic solvent. Hardened composition can only be removed mechanically. Wash hands and non-protected areas of the skin with soap and water.

The information contained herein is based on a generalized technical and practical experience. Due to the inability to control the conditions of application of the material, affecting the process, Producer does not accept legal and other responsibility rising for the misuse or interpretation of this information. Specifications of material and equipment provided here are subject to change without prior notice.

**For complaints, suggestions and complaints please contact: [proposal@cmt-product.ru](mailto:proposal@cmt-product.ru).**