

"Rizopur™ -5710"

Polyurethane paint with low containing of a solvent

TU 2257-008-43548961-2011

Description	Two component, low viscous colored composition , with low containing of a solvent, polyurethane resin-based
Application	<p>It is used in systems of floor covering "Rizokon™" as a surface layer, as well as independently for concrete and cement surfaces protection.</p> <p>At the enterprises of light industry, food, tobacco, electronics and pharmaceutical industries, agricultural production, engineering facilities, real estate, housing and communal services, as well as logistic centers, sport complexes, the auto-repair businesses, mail terminals and closed and opened parking .</p> <p>In manufacturing, warehouse, office, technical and other types of premises.</p> <p>It is used to cover the surfaces on the mineral base:</p> <ul style="list-style-type: none"> - Concrete; - Cement-sand screed; Stone
Advantages	<ul style="list-style-type: none"> - High light resistance, the ability to use outdoors. - Excellent resistance to abrasion, resistance to scratching; - High chemical resistance; - Ease of cleaning; - Ease of application; - Hygiene (faint odor during application); - Efficiency (low consumption). - Fast commissioning. - Silk-gloss surface
Application system	<p>"Rizokon .™ Thin smooth "</p> <p>1.Primer "Rizopox -™ 1100" - 0.3 - 0.4 kg / sqm</p> <p>2.Coating. "Rizopur -™ 5710" - 2-3 layers on 0.15-0.20 kg / sqm</p> <p>As the surface layer</p> <p>1.Foundation preparation/ base layer. Materials of "Rizopox™" brand - the thickness 1-4 mm</p> <p>2.Front layer. "Rizopur -™ 5710" Depending on the type of coverage - 2-3 layers on 0.1-0.2 kg / sqm</p>
Restrictions	<ul style="list-style-type: none"> - If there is a danger of capillary rise of groundwater to the base (humidification) you must implement waterproofing or vapor barrier. - Moisture of the base during coating applying is no more than 4%. - The strength of the base in compression is not less than 200 kgf / sq cm. - The strength of the base on the separation is at least 1.5 MPa - The concrete base (cement-sand screed) prior to the application must be at least 28 days. - Minimum foundation temperature during coating is + 10 ° C. - Maximum foundation temperature during coating is +30 ° C. - Relative air humidity - no more than 85%. - Foundation temperature should be 3 ° C higher than the measured dew point. - When operating outdoors a coating color may change (yellowing). - Maximum consumption during applying of 1 layer is no more than 0.3 kg / sq.m. - When using light colors (RAL 1015, 1001, 3012, 7032, etc.) the ability to hide the material is less. It is necessary to increase the consumption to 0.5-0.6 kg / m². - When using of non-standard colors RAL, it is necessary to make control material applying to determine the actual consumption. - Apply on the adjacent surfaces material of the same lot number or otherwise slight variations may appear in color, and gloss degree, and texture.

Surface preparation	The surface must have no damages and be clean, dry (humidity is not more than 4%) surface 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 ² . For its preparation apply methods such as grinding, milling or shot-blasting. The surface should
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	<p>be dedusted after it.</p> <p>Prepared surface should be carefully primed, so to fill all the pores. If the primer is absorbed into the base, it is necessary to apply it repeatedly in order there is no more dry places.</p> <p>If the coating construction stipulates, you should sprinkle the primed surfaces with calcined quartz sand just after applying.</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>
Mixing	Open the bucket with the component A and mix thoroughly in the original container with the slow-speed (300-450 rev. / min) electric drill with the screw nozzle. Open the bucket with a component B, pour it all into the container of the component A and mix thoroughly with the slow-speed (300-450 rev. / min) electric drill with the screw nozzle for 2 minutes. Pour the composition into another container and stir it for 1 minute.
Applying	<p>The composition is applied by a roller with the length of hair 8-12mm, rolling in all directions to obtain a uniform thickness.</p> <p>When applying the material at a rate of more than 200 g. / sq. m exfoliation in color is possible and the formation of lighter stripes, spots, especially on dark colors.</p> <p>Apply the material to the side opposite to the exit. You must not do interruptions in the applying more than 15-20 min. Otherwise, visible border may form. You must not do interruptions in the applying between layers more than 24 hours.</p>

Technical data

Color	As per color catalogue RAL
Packaging (A+B)	-10 kg

Physical data

Density at +20C	Component A (State Standard 28513-90)	-1.24±0.1 g/sm ³						
Relative viscosity Comp. A	As per viscometer of B3-6 type C (State Standard 8420-74)	-75±15						
Mass fraction of low-volatile matter Comp.A*	Not less than % (State Standard 17537-72)	68						
Reaction capability	<u>Lifetime (1 kg) Component A+B</u> "Rizopur™ 5710"	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;"><u>+10 °C</u></td> <td style="text-align: center; border: none;"><u>+20°C</u></td> <td style="text-align: center; border: none;"><u>+30°C</u></td> </tr> <tr> <td style="text-align: center; border: none;">65 min.</td> <td style="text-align: center; border: none;">40 min.</td> <td style="text-align: center; border: none;">25 min.</td> </tr> </table>	<u>+10 °C</u>	<u>+20°C</u>	<u>+30°C</u>	65 min.	40 min.	25 min.
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		<u>+10 °C +20°C +30°C</u>
	<u>Time of drying to the degree 3</u>	6 h. 4 h. 2 h.
	“Rizopur™5710”	
Mechanical properties (14 days and nights/+20C)	Adhesion of the coating in the separation from the concrete is not less than (State Standard 28574-90)	2 MPa
	(exceeds tensile strength of concrete)	
Chemical resistance	It is resistant to water, alkalis, mineral oils, gasoline, alcohols, dilute acids. A detailed list – <i>see A table of chemical resistance.</i>	
Storage	Store in a dry place at temperatures between +5 ° C to +30 ° C. Avoid direct exposure to sunlight. Tanks with a partially-used material should be tightly closed. Freezing at transportation is allowed.	
Warranty period	6 months from the date of production under recommended storage conditions in original packaging.	
Safety measures	<p>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.</p> <p>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 cannot be discharged into sewage drains and ponds, as well as inadmissible their penetration into the soil.</p>	
Tool cleaning	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.

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