

**"Rizopox™ - 5010"**

Polymer monolithic covering

TU 2257-001-43548961-2000

<b>Description</b>	Two component, low viscosity, colored compound based on epoxy resin.
<b>Application</b>	For floor covering of thickness of 1.5 - 2.0 mm with a smooth surface, withstand colliding mechanical load of moderate intensity in the built and reconstructed, differentiable with industrial and civil buildings for various purposes, including: the enterprises of light, food, electronics, pharmaceutical, industrial and engineering facilities, agriculture, housing and utilities. It is used to cover the surfaces of mineral-based: - Concrete; - Cement-sand coupling; - Stone.
<b>Advantages</b>	- Fire-technical specifications can be used to cover all degrees of fire resistance of buildings, including the escape routes, lobbies, elevators cold-crystals, stairwells, in the common corridors, hallways and lobby, premises of F5 of categories A, B and B1 High resistance to abrasion, resistance to scratching; - Easy to apply - Economical in application  - High strength - High chemical resistance;
<b>Certificates</b>	- Hygienic conclusion of Center of State Sanitary and Epidemiological Surveillance in Moscow region №. 71.TC.04.225.P.000962.12.09 on 14.12.2009; - Fire safety certificate number C-RU.PB37.V.00445 on 04/05/2011;
<b>Application</b>	Floor covering system 1. Primer "Rizopox™ 1100" -0.3-0.5 kg/sq.m Powder by calcined quartz sand - 0.4 - 0.5 kg / sq.m. Fraction 0.1-0.4 mm 2. Facial layer "Rizopox™ 5010" -2.3-3.0 kg/sq. m
<b>Limitations</b>	- If there is a danger of capillary rise of groundwater to the base (humidification) it is necessary to make waterproofing or vapor barrier. - Moisture content in the coating process is no more than 4%. - Strength of the base in compression is not less than 200 kgf / cm. - Concrete base (cement-sand coupling) prior to the application must be at least 28 days. - The maximum allowable slope - 2%. - Minimum substrate temperature during coating - 10 ° C. - Maximum substrate temperature during coating - +30 ° C. - Relative humidity - no more than 80%. - Substrate temperature should be 3°C higher than the measured dew point. - Materials of one lot number should be applied on adjacent surfaces, otherwise may have slight variations in color.
<b>Preparation of surface</b>	The surface must be intact, clean, dry (humidity not 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 at least 200 kgf / cm. For its preparation it is necessary to apply methods such as grinding, milling or shot blasting. After that it is necessary to dedust surface. The prepared surface should be thoroughly primed so as to fill all the pores. If the primer is absorbed into the ground, it is necessary to apply it repeatedly to no more dry places. Primed surfaces immediately after application sprinkled with calcined quartz sand (fraction 0.1-0.4 mm). Prior to coating the porous areas, sinks, potholes, cracks, place drops (roughness) of the foundation must be repaired and leveled with putty.
<b>Mixing</b>	Open the bucket with a mixing component A and stir it into the original container with slow-speed (300-450 rev./min) electric drill with a screw nozzle. Open the bucket with component B, pour it all into a container of component A and mix thoroughly re-stir for 2 minutes with slow-speed (300-450 rev./min) electric drill with a screw nozzle. Pour the compound in a clean container and stir it for 1-2 minutes.
<b>Applying</b>	Pour compound to the prepared substrate and spread it on the surface thickness of 1.5 - 2.0 mm by notched trowel or other tool (one bucket of 10-12 sq m). Application of

	material drawing from the side opposite to the exit. For better removing of air and a uniform thickness of 10-15 minutes to treat the surface by the needle roller. It is not allowed to take breaks of more than 15-20 minutes. Otherwise, it may be formed visible border.
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#### Technical data

Color	According to the catalogue of the colors RAL
Package (A+B)	- 26.4 kg - 3.6 kg

#### Physical data

<b>Density At 20°C</b>	Component A+B,	- 1,39 ± 0,03 g/cm3		
<b>Dynamical Viscosity At 20°C</b>	Component A+B,	- 2.7 ± 0.6 Pa		
<b>Reaction ability</b>		+15°C	+20°C	+30°C
	Lifetime (1 kg) Component A + B	65 min	40 min	25 min
	Curing time You can walk	3 days	2 days	1 day
	Full mechanical load	7 days	5 days	3 days
	Chemical effects	14 days	10 days	7 days
<b>Fire and Flammability Characteristics</b>	Group of flammability (State Standard 30244-94) Group of flame propagation (State Standard 30402-96) Group of inflammability (State Standard P51032-97) Smoke-forming ability (State Standard 12.1.044-89) Toxicity of combustion products (State Standard 12.1.044-89)	<b>Г1</b> (readily flammable) <b>В2</b> (moderately flammable) <b>ПП1</b> (not spreading) <b>Д2</b> (moderate) <b>Т1</b> (moderate hazardous)		
<b>Mechanical properties (14 days/20°C)</b>	Tensile stress at compression, no less (State Standard 4651-82) Tensile strength, not less (State Standard 11262-80), Adhesion of the coating in the separation of the concrete, not less than (State standard 28574-90) Resistant to impact effect from a height of 1m, not less (State Standard 30353-95)	50 MPa  18 MPa 2 MPa  5 kg		
<b>Chemical resistance (14days/+20C)</b>	It has a chemical resistance to water, alkalis, mineral oils, gasoline, resistance alcohols, and dilute acids. A detailed list – upon request of a customer.			
<b>Storage</b>	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. It is not allowed to freeze components during transportation.			
<b>Warranty period</b>	Warranty is 6 months according to the manufacture date, taking into account storage conditions in their original packaging time.			
<b>Security measures</b>	Product may cause irritation in people with sensitive skin. Before you start work, apply protective cream on open areas of the skin. You must use protective clothing, gloves and glasses. If the composition or its components accidentally fall into the eye, respiratory or skin, rinse immediately with warm water and seek medical advice. Components A and B are flammable - no smoking allowed, to work with on-fire and indoor use electric heaters near the place of storage materials and manufacturing operations. When working in closed areas it is important to ensure adequate ventilation during application and drying. In the liquid condition these 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.			
<b>Tool cleaning</b>	In order to remove uncured material from tools it is recommended to use organic solvent. Frozen composition can only be removed mechanically. Wash hands and non-protected areas of the skin with warm water and soap.			

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