

"Rizopox™ - 5601 W"

Polymer coating for concrete (cement) surfaces

TU 2257-011-43548961-2002

Description	Two component, colored composition, based on water dispersion of epoxy resin.
Application	<p>In the systems of flooring "Rizokon" as a face layer as well as independently for concrete and cement surfaces protection including on fresh concrete.</p> <p>At the enterprises of light and food industry, agricultural production, engineering facilities, commercial real estate, housing and communal services, as well as logistic centers, sport complexes, the auto-repair enterprises, opened and closed parking, industrial refrigerators.</p> <p>In the manufacturing, warehouse, office, technical and other types of premises, including in the street.</p> <p>It is used to cover the surfaces of mineral-based:</p> <ul style="list-style-type: none"> - Concrete; - Cement-sand covering; - Stone. <p>And also:</p> <ul style="list-style-type: none"> - Wood; - Asphalt.
Advantages	<ul style="list-style-type: none"> - Versatility. - Does not require sealing. - Skips the water vapor. - Good adhesion, including on wet surfaces and to the fresh concrete. - Can be used indoors and outdoors. - Semi-matt coating. - Odorless, diluent of water. - Good mechanical and chemical stability. - Ease of application. - Fast curing and commissioning.
Certificates	<ul style="list-style-type: none"> - Sanitary-epidemiological conclusion of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare No. 71.TC.04.225.P.000378.05.10 dd. 31.05.2010. - Certificate of Fire Safety Fire Safety No. SSPB. RU. OP078. V. 00 010 dd. 10.12.2007.
Application system	<p>"Rizokon™. Thin smooth W"</p> <p>1. Primer. "Rizopox™ - 1301 W» + 25% water - 0,3 ÷ 0,4 kg / m² *</p> <p>2. Coating. "Rizopox™ - 5601 W» + 10% water - 2-3 layers on 0,15 ÷ 0,25 kg / m² *</p> <p>"Rizokon™. Thin rough W"</p> <p>1. Primer. "Rizopox™ - 1301 W" + 25% water - 0,3 ÷ 0,4 kg / m² *</p> <p>2. Adhesion layer. "Rizopox™ - 5601 W" + 10% water - 0,15 ÷ 0,2 kg / m *</p> <p>Powder. The sand of fraction 0,1 ÷ 0,4 / 0,4 ÷ 0,8 / 0,8 ÷ 1,4 mm - 0,8 ÷ 1,5 kg / sqm</p> <p>3. Coating. "Rizopox™ - 5601 W" + 10% water - 2-3 layers o 0,15 ÷ 0,2 kg / m *</p> <p>* This consumption is indicated with the water content.</p> <p>In the constructions "Rizokon™. Painting coating with base layer W .</p>
Limitations	<ul style="list-style-type: none"> - There should not be still water, drops of dew on the surface; - At least 2 layers depending on the destination surface; - Maximum relative humidity is 80%;

	<ul style="list-style-type: none"> - Maximum consumption is 0.25 kg / sq.m; - The degree of dilution with water 10%; - The strength of the base in compression is not less than 200 kgf / sq.cm. - The strength of the base on the separation is not less than 1.5 MPa. - When using of non-standard colors RAL, it is necessary to carry out the control material applying to determine the actual consumption; - Apply material of the same lot number on the adjacent surface, otherwise, variations in color, and degree of gloss and texture may appear. - Protection from rain and water leaks within 24 hours (+20 ° C); - Minimum substrate temperature during coating is +12 ° C; - Maximum substrate temperature during coating is + 30 ° C. 			
Preparation of surface	<p>The surface must be sufficiently strong, smooth, fine, without any still water. Strength in tearing is not less than 1.5 N/mm².</p> <p>Unstable layers and contaminations, such as oil, grease, rubber residues and etc. should be removed mechanically, for example, using a scraper, sanding, sandblasting or shot blasting.</p> <p>Prior to coating the porous areas, sinks, potholes, cracks, differences places (roughness) of the foundation must be repaired and leveled with the filler "Rizopox™-3405W".</p>			
Mixing	<p>Open the bucket with a component A and stir it thoroughly in the original container. Open the bucket with a component B, pour it all into the container of the component A and mix it thoroughly with the slow-speed (300-450 rev. / min) electric drill with a screw nozzle for 1 minute. Sustain for 2 minutes, and then mix again. Add 10% water (on mass), stir for 1-2 minutes.</p> <p><i>Sustain before applying for 2-3 minutes.</i></p>			
Application	<p>Apply the material by a brush or a roller to obtain a uniform layer. During applying and curing ensure adequate ventilation to prevent violations of the process of curing and drying.</p>			
Technical data				
Color	As per catalogue RAL.			
Packaging (A + B)	- 10 kg -20 kg			
Physical data				
Density At +20°C	component A+B+3%, g/cm3 (State Standard 28513-90)		1,44 ± 0,12	
Life time At +20°C	Component A+B+3% min, at least (State Standard 18249-72*)		50	
Volatile matter	Component A + B,%, not more than (State Standard 12.1.014-84*)		28	
Fire and technical characteristics	Combustibility group (State Standard 30244-94) Group of flammability (State Standard 30402-96), Group of flame distribution (State Standard R51032-97) Smoke-forming ability (State Standard 12.1.044-89) Toxicity of combustion products (State Standard 12.1.044-89)			G1 V2 RP1 D2 T2
Reaction ability		+10°C	+20°C	+30°C
	Lifetime (A+B)	3 hours	1.5 hour	0,5 hour
	Min			
		30 hours	18 hours	10 hours
	Max	3 days	2 days	1 day
	<i>At air humidity more than 80% cure time between coats increases 24 hours</i>			
	Hardening			
	Is ready for pedestrian's load	2 days	1 days	16 hours
	Full load	10 days	7 days	5 days

	Time of drying to the degree 3, at temperature 20+-2C h no more than (State Standard)	8-10 hours
Mechanical properties (14 days/+20°C)	Adhesion of the coating at separation from concrete not less than, (State Standard 28574-90) (greater than the strength of concrete in tension) Compressive strength by pencil method Abrasion, g/sq.m (State Standard 20811, method B)	2 MPa 2 N 0.0015
Storage	Store in a dry heated place at temperatures between +5 ° C to +30 ° C. Avoid direct exposure to sunlight, heating and moisture. Freezing at transportation (no more than 3 cycles) is allowed. Frozen material before applying should be kept to temperature up to +18+20 C.	
Warranty period	6 months of the manufacture date, taking into account storage conditions in their original packaging time.	
Security measures	It is necessary to wear protective clothing, gloves and glasses. If compound or its components accidentally fall into the eye, respiratory or skin, rinse immediately with warm water and seek medical advice. Component B is a fire hazard - no smoking allowed, also prohibited work with an open fire and use electric heaters near the storage of the material. 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.	
Cleaning	In order to remove uncured material from tools it is recommended to wash it with water. Hardened composition can only be removed mechanically. Wash hands and non-protected areas of the skin with warm water and soap.	

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