

"Rizopox™ - 4101"

Self leveling epoxy covering

TU 2257-012-43548961-2003

Description	Two-component, solvent free, low viscosity colored composition on epoxy resin and amine-modified adduct.
Application	<p>In coating systems "Rizokon™" (as the surface layer) to get floor coverings with smooth surfaces, and special requirements for flatness.</p> <p>The enterprises of light industry, food, tobacco, electronics and pharmaceutical industry, agricultural production, facilities, machinery, commercial real estate, housing and communal services, as well as logistic centers, sport complexes, on auto-repair businesses, post terminals and enclosed parking.</p> <p>In manufacturing places, warehouse, office, technical and other types of premises.</p> <p>It is used to cover the surfaces of mineral-based:</p> <ul style="list-style-type: none">- Concrete;- Cement-sand coupling;- Stone.
Advantages	<ul style="list-style-type: none">- Forms a smooth glossy surface;- Easy to remove;- High strength;- Good chemical resistance;- High resistance to abrasion and scratching;- Ease of use- Has no odor.
Certificates	<p>Health Certificate of the State Sanitary and Epidemiological Surveillance Center in the Moscow region No.71.TU.04.225.П.001307.11.08 dd. 05.11.2008</p> <p>- Fire safety certificate NO.C-RU.ПБ37.B.000443 dd. 05.04.2011</p>
Application	<p>The system of floor covering "Rizokon™"</p> <p>1. Primer. Primer "Rizopox™ - 1100" (A + B) - 0.3 - 0.4 kg / sq.m Powder by calcined quartz sand (depending on design) fraction of 0.1-0.4 mm - 0.3 - 0.4 kg / sq.m</p> <p>2. <i>Base layer.</i> Depending on the design surface.</p> <p>3. Facial layer. "Rizopox™ - 4101" - 2.0 - 2.5 kg / sq.m</p>
Limitations	<ul style="list-style-type: none">- 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 / cm²- Strength of the base on the separation is at least 1.5 MPa.- Concrete base (cement-sand covering) must be at least 28 days.- Maximum allowable slope is 3%.- Materials of one lot number should be applied on adjacent surfaces, otherwise they may have slight variations in color.- Minimum substrate temperature during coating is + 12°C.- Maximum substrate temperature during coating is +30°C.- Relative humidity is no more than 80%.- Substrate temperature should be 3°C higher than the measured dew point.
Preparation of surface	<p>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 is 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. Prepared surface must be carefully 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. If this is designed by construction cover, the primed surface immediately after applying sprinkle by calcined quartz sand.</p> <p>Prior to coating the porous areas, sinks, potholes, cracks, place drops (roughness) of the</p>

	foundation must be repaired and leveled with putty.
Mixing	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 2-3 minutes. by slow-speed (300-450 rev. / min) electro-drill with a screw nozzle. Pour compound into another part of container and stir it for 1 minute. Before use please wait for 2-3 minutes till the prepared composition will settled.
Applying	Pour this compound on the prepared surface and spread it on the surface with thickness 1.0-1.7 mm with the help of serrated spatula or other tool (one bucket of compound for 10-15 sq.m). . Use of the material on the side opposite to the exit. For better removal of air and getting a uniform thickness treat surface by spiked roller after 10-15 minutes after applying. Not allowed to take breaks in the deposition of more than 15-20 minutes. Otherwise, it may be formed visible border.

Technical data

Color	According to the catalogue of the colors RAL
Package (A+B)	- 25 kg

Physical data

Density At 20°C	Component A+B, (State Standard 28513-90)	- 1,44 ± 0,05 g/cm ³		
Dynamical Viscosity At 20°C	Component A+B, (State Standard 18249-72*)	- 2,6 ± 0,3 Pa s		
Reaction ability		15°C	20°C	25°C
	<u>Lifetime (1 kg)</u> Component A + B	90 min	60 min	30 min
	<u>Curing time</u> You can walk	24 hours	18 hours	16 hours
	Full mechanical operational load	10 days	7 days	5 days
	Chemical effects	14 days	10 days	7 days
Mechanical properties (14 days/20°C)	Breakdown voltage in compression, not less (State Standard 4651-82) Tensile strength, not less (State Standard 11262-80) Elongation at Break, not less than (State Standard 11262-80) Adhesion of the coating in the separation of the concrete not less than (State Standard 28574-90) Comparative hardness by pencil method Abrasion (State Standard 13087-81), g / cm ²			-60 MPa -20MPa -3% -2 MPa B-2B - 0,026

Chemical resistance	It has a chemical resistance to water, alkalis, mineral oils, gasoline, alcohols, dilute acids. A detailed list - see Table of chemical resistance.
Storage	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. It is not allowed to freeze components during transportation.
Warranty period	Warranty 6 months of the manufacture date, taking into account storage conditions in their original packaging time.
Security measures	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.
Cleaning	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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