

“Rizopox” TM -1605”

Colorless low viscosity epoxy compound, solvent free

TU 2257-004-43548961-2001

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| Description | A two-component, colorless, contains no solvents, low viscosity compound based on epoxy resin.. Available in two types; “Rizopox” TM -1605 and Rizopox” TM - 1605 tix » . Compound marked with «tix» is a thixotropic modification. |
| Application | To perform the monolithic floor coverings on the basis of colored quartz sand mark "Rizodek TM», to obtain highly filled compounds with sand impregnated concrete and cement surfaces, as a surface layer of various decorative coatings. The enterprises of light industry, food, electronics and pharmaceutical industries, agricultural production, facilities engineering, real estate, housing and communal services, as well as logistic centers, sport complexes, the auto-repair businesses, e-mail terminals, public and private parking. In manufacturing, warehouse, office, technical and other types of facilities with high requirements for mechanical strength and durability. |
| Advantages | “Rizopox” TM -1605»: <ul style="list-style-type: none"> - High penetrating power; - High strength; - Chemical resistance; - Ideal as a binder for a variety of fillings; - High resistance to abrasion, scratch; - Low viscosity; - Colorless; - Non-toxic (no noxious fumes during application); - Solvent free “Rizopox” TM -1605 tix»: <ul style="list-style-type: none"> - Thixotropic; - Plastic (easily applied); |
| Certificates | - Sanitary - epidemiological conclusion Center of State Sanitary - epidemiological surveillance in the Moscow region of number 71.TC.04.225.P.000410.06.09 05/06/2009 - Fire Safety Certificate number SSPB.RU. OP078. V00016 on 10.12.2007 |
| Application systems | Rizokon ™. High filled covering CP 1. Primer. «Rizopox ™ - 1100» -0,3 ÷ 0,4 kg/ sq.m. 2. Powder. «Rizodek ™ » 0,8÷1,4 mm - 0,4 ÷ 0,5 kg/ sq.m 3. Force layer. «Rizodek ™ » 0,8÷1,4 mm + «Rizopox ™ - 1605» - 8,5 ÷ 13,6 kg/ sq.m. <i>(in relation 12:1)</i> 4. Powder. «Rizopox ™ - 1605» - 0,4 ÷ 0,9 kg/ sq.m. 5. Seal. «Rizopox ™ - 1605 tix» 2 layers on - 0,2 ÷ 0,25 kg/ sq.m. «Rizokon ™. Colored sand» and «Rizokon ™. Decorative mosaic» |
| Restrictions | - If there is a danger of capillary rise of groundwater to the base (humidification equation) you must waterproof or vapor barrier. - Moisture content is no more than 4%. - The strength of the base in compression is not less than 200 kgs /sq. cm. - The strength of the base on the tearing is at least 1.5 MPa. - The concrete base (cement-sand screed) must be at least 28 days - Minimum substrate temperature during coating is + 10 ° C. - The 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. - It is not recommended to apply by a roller. - Under the influence of UV-radiation (for example, in bright sunlight) it may change color (yellow) cover |
| Surface preparation | The surface must be intact, clean, dry (humidity not more than 4%), with no traces of laitance, dirt, oils and contain no fragile and sticky particles. The strength of the base in compression must be at least 200 kgs / sq.cm ² . The strength of the base in compression is ast 200 kgs / sq.cm. To prepare it apply methods such as grinding, milling or shot blasting. The surface obespylit prepared for surface so carefully primed to fill the pores. If the primer is absorbed into the ground, it is necessary to apply it repeatedly to have no dry places. If it happened the primed surface immediately sprinkle by calcined quartz sand. Prior to coating the porous areas, sinks, potholes, cracks, place drops (roughness) of the foundation must be repaired and leveled with putty. |
| Mixing | “Rizopox” TM -1605»: open bucket of component A. Open the bucket with a component B, pour it all into a container of component A and mix for 2 minutes, by slow-speed (300-450 rev. / min), electric drill with a screw cap. Pour into another part of container and stir |

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| | <p>it for 1 minute.</p> <p>"Rizopox™ -1605 tix»: open bucket of component A. Open the bucket with a component B, pour it all into a container of component A and mix for 3 minutes, by slow-speed (300-450 rev. / min), an electric drill with a screw cap.</p> <p>Highly filled mixture: open bucket of component A ("Rizopox™ -1605»). Open the bucket with the component B ("Rizopox™ -1605»), pour both parts completely in the container for mixing (plastic tank) and stir for 2 minutes, by slow-speed (300-450 rev. / min), an electric drill with a screw cap. Pour into a container for mixing (plastic tank) the required number of quartz sand "Rizodek™», move by slow-speed (300-450 rev. / min), an electric drill with a screw attachment until smooth (about 5-7 minutes).</p> |
| Applying | <p>"Colored sand rough / smooth":</p> <p>The composition poured onto the prepared surface. Spread evenly over the surface of a metal scraper or trowel without teeth (see "Rizokon™. Colored sand"). The material should cover the powder. Avoid puddles or areas of unfilled because it affects the quality of the coating. After 5-10 min. after application of pour by colored quartz sand. Sand applied 2-3 times as absorbing. Monitor the flow rate. To obtain a smooth coating, seal color sand by hand or by metal trowel without teeth or a power trowel HE / HB 500.</p> <p>"Highly filled. Colored sand ": Compound pour from the bucket and spread an even layer on the surface of a metal squeegee-scraper with an adjustable gap. Carefully seal by the trowel machine G-Combi with blades or metal hand trowel. Watch over for the evenness of the surface during compaction.</p> <p>Impregnation / sealing:</p> <p>As the impregnation of the "Rizopox™ -1605» pour onto the prepared surface, spread a by metal trowel without teeth. After 3-5 min. possible to remove the excess with a rubber or plastic scraper. Avoid puddles or areas of unfilled because it affects the quality of the coating. As the sealing of the "Rizopox™ -1605 tix» lay on the prepared surface, spread a metal trowel without teeth. After 3-5 min. possible to remove the excess with a rubber or plastic scraper. If necessary, may re-sealing layer deposition.</p> |
| | Technical data |
| Colour | Colorless or light yellow |
| Packaging (A + B) | <p>Metal ("Rizopox"™ 1605) 18 kg</p> <p>Plastic("Rizopox"™ 1605) 16 kg</p> <p>Plastic("Rizopox"™ 1605) 2.1 kg</p> <p>Plastic("Rizopox"™ 1605 tix) 3 kg</p> |

Physical data

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| Density at +20 ° C | (A + B) component State Standard 28513-90 | -1.1±0.05 g/cm3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dynamic viscosity at +20C | Component A+B ("Rizopox™ 1605) (State Standard 18249-72*) Component A+B ("Rizopox™ 1605tix) | -0.45±0.05 Pa Thixotropic | | | | | | | | | | | | | | | | | | | | | | | | |
| Reaction capability | Life time (1kg) Component A+B Hardening time Application of next layer in You can walk Full mechanical loading Chemical influence | <table border="1"> <tr> <td></td> <td>-15C</td> <td>+20C</td> <td>+30 C</td> </tr> <tr> <td></td> <td>30 min</td> <td>20 min</td> <td>10 m</td> </tr> <tr> <td></td> <td>24 h.</td> <td>18 h.</td> <td>16 h</td> </tr> <tr> <td></td> <td>3 days</td> <td>2 days</td> <td>1 days</td> </tr> <tr> <td></td> <td>7 days</td> <td>6days</td> <td>5 days</td> </tr> <tr> <td></td> <td>14 days</td> <td>10 days</td> <td>7 days</td> </tr> </table> | | -15C | +20C | +30 C | | 30 min | 20 min | 10 m | | 24 h. | 18 h. | 16 h | | 3 days | 2 days | 1 days | | 7 days | 6days | 5 days | | 14 days | 10 days | 7 days |
| | -15C | +20C | +30 C | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 min | 20 min | 10 m | | | | | | | | | | | | | | | | | | | | | | | |
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| | 7 days | 6days | 5 days | | | | | | | | | | | | | | | | | | | | | | | |
| | 14 days | 10 days | 7 days | | | | | | | | | | | | | | | | | | | | | | | |
| Fire and specifications (high filled colored sand) | Group of combustibility (State standard 30244-94) Flammability Group (State standard 30402-96) Group of flame propagation (State standard R51032-97) smoke-forming ability (State standard 12.1.044-89) toxicity of combustion products (State standard 12.1.044-89) | G1 B2 RP1 D2 T1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mechanical features (7 days/+20C) | breaking stress on compression, but not less (State standard 4651-82) Tensile strength, but not less (State standard 11262-80) Adhesion of impregnation in isolation from the concrete is not less than (State standard 28574- | 65 MPa 30MPa 2 MPa | | | | | | | | | | | | | | | | | | | | | | | | |

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| | 90) Elongation at break is not less than (State standard 11262-80) | 5% |
| Chemical resistance (14 days/+20C) | It is resistant to water, alkalis, mineral oils, gasoline, alcohols, dilute acids. | 2 MPa |
| Storage | Store in a dry place at temperatures between +5°C to +30°C. Avoid direct exposure to sunlight. Containers with partly used material should be tightly-closed. | |
| Warranty period | 6 months from the date of issue at the recommended storage condition in the original term of the original container. | |
| Security measures | <p>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.</p> <p>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.</p> <p>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.</p> | |
| Cleaning | In order to remove uncured material from tools please use an 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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