

"Rizopox™ - 3500"

Epoxy compound for injection, primers and repair.

TU 2257-051-43548961-2007

Description	Two-component low viscosity compound for injection, concrete priming and repair on the base of epoxy resin, solvent free
Application	It is used as priming and injection compound to eliminate voids and caves, to repair cracks and primers in different types of substrates: concrete, cement-sand coupling, asphalt, stone, and tile. As a binder for repair compounds. The complex of measures to strengthen the weak, low quality (<150 kg / cm ²) bases.
Advantages	- Low viscosity; - Excellent penetration; - Does not contain volatile substances; - Easy mixing and application; - Dimensionally stable structure.
Certificates	- Sanitary-Epidemiological Conclusion of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare No. 77.99.34.225.D.011352.09.07 dd. 26.09.2007.
Application	Repair and injection of the bases: Priming of compound "Rizopox™ -3500» to the complete filling of defects. As repair compound: 1. Primer (if needed) "Rizopox™ -1100» 2. Repair compound "Rizopox™ -3500» + fraction quartz sand 0,1 ÷ 0,4 mm. at ratio of 1:4. As a primer: 1. Primer "Rizopox™ -3500» - 0.1 ÷ 0.2 kg / m ² *. * - Depends on the absorbency of the ground.
Limitations	- Moisture content when applied as a primer - not more than 4%. - Moisture content during injection - no more than 5.5%. - Minimum substrate temperature during applying - 10 ° C. - Maximum substrate temperature during applying - +30 ° C. - Relative humidity - no more than 80%. - Substrate temperature should be 3°C greater than the measured dew point.
Preparation of surface	The surface must be intact, dry, surface should be free from laitance, dirt and oil. Before application of "Rizopox™ -3500», carefully dedust defects with industrial vacuum cleaner.
Mixing	Open the bucket with component A. Open the bucket with component B, pour it full into container of component A and mix for 2 minutes with slow-speed (300-450 rev./min) electric drill with a screw nozzle. Pour the composition into another container and stir it for 1 minute.
Application	Composition "Rizopox™ -3500» poured into pre-processed and prepared for repair defects to full fill the voids. For more detailed recommendations see appendix "Technology of base defect elimination". When applied as a primer please use roller with long nap 12-16 mm.

Technical data	
Appearance	Component A – yellowish liquid Component B – transparent liquid
Packaging (A + B)	10 and 20 kg

Physical data	
Density At +20°C	component A+B (State Standard 28513-90) - 1,10 ± 0,05 g / cm ³
Dynamic viscosity at +20 ± 1°C	Component A+B - 0,55 ± 0,2 Pa s
Reaction ability	Drying time to degree 3, at temperature 20 ± 2°C, h, no more than 18

	(State Standard 19007 - 73*) Drying time to degree 3, at temperature 10 ± 2°C, h, not more than (State Standard 19007 - 73*) Lifetime (1 kg) (at +20°C, a component of A+B)	30 20 min
Mechanical properties (7 days/+20°C)	Tensile stress in compression is not less (State Standard 4651-82*) Tensile strength, not less (State Standard 11262-80*) Adhesion in isolation from the concrete, not less than (State Standard 28574-90) Elongation at break, not less than (State Standard 11262-80*)	45 MPa 18 MPa 2 MPa 5%
Storage	Store in a dry place at temperatures between +5 ° C to +30 ° C. Do not allow direct exposure to sunlight. Containers of partly used material must be tightly closed. Allowed to freeze during transport.	
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.	

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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