

## "Rizopox™ - 3405 W Base"

Water-dispersive epoxy composition for leveling and priming of concrete (cement) surfaces

TU 2257-039-43548961-2004

<b>Description</b>	Two component, low viscosity compound with filler, based on water dispersion of epoxy resin.
<b>Application</b>	<p>For putty and leveling, on the surfaces with a moisture content exceeding 4%, withstanding mechanical loads during movement of pedestrians, hand carts and transport devices on the rubber and plastic motion of mild to moderate intensity in the constructing and reconstructing enterprises of food, light industry, electronic, pharmaceutical, engineering and agricultural industries.</p> <p>It is used to cover the surfaces of mineral-based:</p> <ul style="list-style-type: none"><li>- Concrete;</li><li>- Cement-sand covering;</li><li>- Stone.</li></ul> <p>And also:</p> <ul style="list-style-type: none"><li>- Wood;</li><li>- Asphalt.</li></ul>
<b>Advantages</b>	<ul style="list-style-type: none"><li>- Skip the water vapor.</li><li>- Does not require sealing.</li><li>- Good adhesion, including on the wet surface and fresh concrete.</li><li>- Odorless.</li><li>- Can be used indoors and outdoors.</li><li>- Easy to apply</li><li>- Fast curing and commissioning.</li></ul>
<b>Certificates</b>	- Hygienic conclusion of the State Sanitary and Epidemiological Surveillance Center in Moscow region No. 71.TTS.04.225.P.000377.05.10 dd. 31.05.2010
<b>Application</b>	<p><b>"Rizokon™. Painting covering with base coat layer W»</b></p> <p>1. Primer. <b>"Rizopox™ - 1301 W»</b> + 25% water - 0,2 ÷ 0,3 kg / m<sup>2</sup> * Powdering by sand, fraction depends on the design. - 0,3 ÷ 0,4 kg / sqm</p> <p>2. The base layer. <b>"Rizopox™ - 3405 W Base"</b> + 3% water - 0,5 ÷ 1,4 kg / sqm + sand fraction 0,1 ÷ 0,4 mm (at powdering by sand 0.8-1.4 mm) - 0,3 ÷ 0,4 kg / sqm Backfilling. The sand fraction is 0,1 ÷ 0,4 / 0,4 ÷ 0,8 / 0,8 ÷ 1,4 mm - 2,5 ÷ 4,5 kg / m (Sand consumption depends on the fraction powdering)</p> <p>3. Face layer. <b>"Rizopox™- 3405 W SL»</b> - 2 ÷ 2,5 kg / m *</p> <p>* Consumption is indicated without water content.</p>
<b>Limitations</b>	<ul style="list-style-type: none"><li>- There should not be still water, drops of dew on the surface;</li><li>- Age of the concrete base is at least 2 days;</li><li>- Maximum relative air moisture is 80%;</li><li>- Foundation strength is not less than 200 kg/cm<sup>2</sup> (28 days);</li><li>- Foundation strength as for separation is at least 1.5 MPa;</li><li>- Protection from rain and water leaks within 16 hours (+20 ° C), 24 hours (+10 ° C);</li><li>- Minimum substrate temperature during coating is +10 ° C;</li><li>- Maximum substrate temperature during coating is +30 ° C.</li></ul>
<b>Preparation of surface</b>	The surface must be sufficiently strong, smooth, fine, without any still water. Tensile strength is not less than 1.5 MPa. 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. Prepared surface should be thoroughly primed by putty <b>"Rizopox™ - 1301 W»</b> so to fill all pores. After 10-15 minutes after applying please powder surface by calcined quartz sand.

<b>Mixing</b>	<p><b>Putty:</b> To evaluate the amount of filling, mix the required amount taking into account proportions. Open the bucket with the component A, mix it in the original packaging. Open the bucket with component B, pour it all into a container with component A and add 3% (by weight of A+B mixture) of water. Mix thoroughly with the help of slow-speed (300-450 rev./min) electric drill with a screw nozzle for 1 minute. During constant stirring, add the calcined quartz sand 0,1 ÷ 0,4 mm at a ratio of 150 - 200 weight of clean sand for 100 weight of clean mixture of A and B components. Mix 2 minutes.</p> <p><b>Coating, lining:</b> Open the bucket with component A, mix it in the original packaging. Open the bucket with component B, pour it in tank with component A and add 3% (by weight of the mixture A + B) of water. Carefully intermix with slow-speed (300-450 rev./min) electric drill with a screw nozzle for 1 min. In case of use powder sand fraction 0.8-1.4 mm, it is necessary with constant stirring to add 25-30% (by weight of the mixture A + B) of calcined silica sand fraction 0.1-0.4 mm. Stir 2 minutes.</p>		
<b>Application</b>	<p><b>Putty:</b> putty knife, a metal trowel without jags, carefully rubbing into the base. At large thicknesses, 10-20 minutes after application, puttied surface can be further powdered by calcined quartz sand fraction 0.1-0.4 / 0.4-0.8 mm or 0.8-1.4 mm.</p> <p><b>Coating, leveling:</b> Pour a composition on the prepared base and uniformly distribute it on the surface using serrated spatula or other instrument. Application of material should begin from the side opposite to the exit.</p> <p>To better remove air and getting a uniform thickness of 10-15 min. after the application please process the surface by needle roller. After 15-20 minutes after application please powder calcined quartz sand fraction of 0,1 ÷ 0,4 / 0,4 ÷ 0,8 / 0,8 ÷ 1,4 mm. uniformly on the surface. It is not allowed to take breaks in application of more than 20-30 minutes. Otherwise, it may be formed visible border.</p> <p>Before applying the next layer please sweep away excess of the sand, clean the surface by metal scraper or sandpaper of grit size, dedust of industrial vacuum cleaner.</p> <p>Ensure that the time between the applications of layers do not exceed 48 hours in the opposite case worse interlayer adhesion.</p>		
	<b>Technical data</b>		
<b>Color</b>	Grey, green, light brown (sand), and blue. Shade is not standardized.		
<b>Packaging (A + B)</b>	- 20 kg		
<b>Ratio of the components</b>	A+B (by weight)	6,2:1	
	<b>Physical data</b>		
<b>Density At +20°C</b>	component A+B+3% water, g/cm3 (State Standard 28513-90)	1,52 ± 0,1	
<b>Life time At +20°C</b>	Component A+B+3% water+sand, at least (State Standard 18249-72*)	60	

<b>Volatile matter</b>	Component A + B,%, not more than (State Standard 12.1.014-84*)			25
<b>Reaction ability</b>		+10°C	+20°C	+30°C
	Lifetime (A+B)+3%water+sand	1,5 hour	1 hour	0,5 hour
	Cure time between coats: Min	30 hours	18 hours	10 hours
	Full load	14 days	7 days	5 days
<b>Mechanical properties (14 days/20°C)</b>	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, not less than 30 MPa (State Standard 22783-77) Tensile strength not less than 7 MPa (State Standard 11262-80) Abrasion, no more (State Standard 13087-81)			2 MPa  30 MPa  7 MPa

<b>Storage</b>	Protect from frost.
<b>Warranty period</b>	Warranty 6 months of the manufacture date, taking into account storage conditions in their original packaging time.
<b>Security measures</b>	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.
<b>Cleaning</b>	In order to remove uncured material from tools it is recommended to wash it with water. 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. Information contained herein, correspond to the time of its publication. For current information, contact the manufacturer.

**For complaints, suggestions and complaints please contact: [proposal@cmt-product.ru](mailto:proposal@cmt-product.ru).**