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 Manufacturer: Russian Federation  
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# Primer-enamel Polytex MIO

## CERTIFICATE

Certificate of conformity to requirement documents № ПОСС RU Д-РУ.РА02.В.12416/21 от 23.12.2021.  
 State Registration Certificate № RU.8.08.09.008.E.000040.02.22 from 11.02.2022.  
 Safety data sheet of chemical products from 28.01.2022.

## DESCRIPTION

Two component polyurethane primer-enamel Polytex MIO.

## FIELDS OF APPLICATION

**Polytex MIO enamel primer contains phosphate corrosion inhibitors and iron oxide mica, which form the strongest barrier effect of protecting the metal from the corrosive environment impact during the entire service life.** It significantly increases the operation of the paint coating. **Suitable for repair work.**

It is used to paint and provide long-term anti-corrosion protection of concrete, reinforced concrete and metal structures operated in the conditions of industrial atmosphere of moderate, cold and marine climate, including transport infrastructure objects: railway bridges, road bridges, tunnels, ground parts of piles, supports of overpasses, pipelines, road fences, navigation and vehicle control objects, underwater parts of hydraulic facilities and other metal structures and equipment exposed to severe atmospheric corrosion.

The iron mica contained in the composition forms a tile overlap in the paint layer, i.e. it reinforces the coating, providing effective barrier protection of the metal from atmospheric impact, industrial air, moisture and water.

**Information on the material resistance to various media is available on request.**

Main applications: transport construction, tank equipment, oil and gas industry, power engineering, railway transport facilities.

## TECHNICAL DATA

<b>Colour</b>	Grey, colour shade does not specified		
<b>Mass fraction of dry residue component A</b>	73±5%		
<b>Adhesion to metal (GOST 15140), no more</b>	1 point		
<b>Density component A</b>	1,4±0,05 g/cm <sup>3</sup>		
<b>Density components A+B</b>	1,4±0,05 g/cm <sup>3</sup>		
<b>Max. one layer thickness without thinning</b>	300 microns wet layer		
<b>Max. one layer thickness, viscosity 25 s</b>	200 microns wet layer		
<b>Dry volume residue</b>	62±5 %		
<b>Dry film thickness and estimated consumption</b>	Dry film thickness, microns	Estimated consumption, g/m <sup>2</sup>	
<b>min</b>	60	135	
<b>max</b>	150	339	
<b>Open time to grade 3 at 20 ±2°C, no more (wet film thickness 100 microns)</b>	2 hours		
<b>Hardener</b>	Polytex ST		
<b>Readiness for operation</b>	7 days		

## INSTRUCTION FOR USE

Metal surface should be abrasive blasted to grade 1 or 2 to GOST 9.402 (Sa 2,5 or Sa 2 to ISO 8501-1:2007). Clean surface must be free from dust and grease.  
**If the quality of surface preparation decreases, the service life and its operating performance may change.**

## CONDITIONS

Ambient temperature from +5°C to +30°C.  
 Relative air humidity no more 80%.

## APPLICATION



ООО «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

8 (4932)773-503

raum-profile.ru  
Inmarketing@gk-rp.ru



#### Blending

Polyurethane primer-enamel consists of two components: component A - basis, component B - hardener. Before use, pre-mix component A with a low-speed drill with mixing nozzle, then mix with component B in stoichiometric ratio in the delivery form. Mix the resulting material thoroughly until smooth. After the hardener is added into the semi-finished product, the material should be allowed to stand for at least 5-10 minutes.

#### Proportions

100:11 by weight  
7:1 by volume

#### Pot life at 20 ±2°C, no less

5 hours

#### Air-free spraying

Thinning: 5-35%  
Nozzle diameter: 0,011-0,017"  
Initial pressure: 120-160 atm

#### Air spraying

Operational viscosity: 25-60 s  
Thinning: 10-35%  
Nozzle diameter: 1,8-2,5 mm  
Initial pressure: 3,0-4,0 atm

#### Cross linking at 20°C

1,5 hours

#### Brush, roller

Can be recommended for small and hard-to-reach areas. Thin the primer-enamel depending on the working conditions when using brush.

#### Thinner

Formula thinner Polytex, Polytex SLOW

#### Cleaner

Formula thinner Polytex, P-4

#### Finishing

Tubing, pistol and other spraying tools must be cleaned after using.

#### Cleaning

Clean straight after using due to painting equipment manual.

#### PACKAGE SIZE

Metal euro bucket 21 l: basis 21 kg  
Metal bottle 3 l: hardener 2,3 kg

#### STORAGE

Store in a tightly closed container in a closed dry room at a temperature from - 40 ° C to + 40 ° C, away from sources of ignition, protecting from mechanical damage, direct sunlight and moisture.

#### GUARANTEED STORAGE LIFE

Expire date is 12 months in case if delivery and storing rules are followed. After expire date shouldn't be used without tests.

#### HEALTH AND SAFETY

When painting work, use personal protective equipment (respirators, gloves, glasses, etc.). Work inside the room should be carried out with artificial (local, general) or natural ventilation. Use the primer enamel only in places without sources of open fire and ignition. Avoid contact with skin or eyes. In case of skin contact immediately wipe with a rag or cotton swab, rinse thoroughly with soapy water, do not use solvents. In case of eyes contact rinse with clean water for at least 10 minutes, consult a doctor. In case of ingestion, consult a doctor.

#### RECYCLING

Packing materials are recycled as consumer waste.

#### Further Information.

The recommendations above are based on our own research and our best knowledge but don't fully guarantee any particular case as it depends on the quality, friability and porosity of the base. The local working conditions and methods may vary and are beyond our control. Therefore we cannot be held responsible for the actual work on the site.

The information is currently updating



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