ООО «Полимер Экспорт»
ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ
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Manufacturer: Russian Federation
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Primer-enamel Polytex MIO

CERTIFICATE

Certificate of conformity to requirement documents № РОСС RU Д-RU.PA01.B.15285/25 от 19.05.2025 г.
State Registration Certificate № RU.8.08.09.008.E.000040.02.22 от 11.02.2022 г.
MSDS №69372620.20.85255 от 14.11.2023 г.
MSDS №69372620.20.85257 от 14.11.2023 г.

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

Colour	Grey, colour shade does not specified	
Mass fraction of dry residue component A	68-78%	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,4±0,05 g/cm^3	
Density components A+B	1,35±0,05 g/cm^3	
Max. one layer thickness without thinning	300 microns wet layer	
Max. one layer thickness, viscosity 25 s	200 microns wet layer	
Dry volume residue	62±5 %	
Dry film thickness and estimated consumption	Dry film thickness, microns	Estimated consumption, g/m^2
min	60	130
Max	150	339
Open time to grade 3 at 20 ±2°C, no more (wet film thickness 100 microns)	2 hours	
Hardener	Polytex ST Polytex ST2	
Readiness for operation	7 days	
Hardener	Polytex ST Polytex ST2	

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INSTRUCTION FOR USE

Metal surface should be abrasive blasted to grade Sa 2,5 or Sa 2 to GOST R ISO 8501-1-2014. 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

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	**Polytex ST hardener** 100:11 by weight 7:1 by volume **Polytex ST2 hardener** 100:8,5 by weight 10:1 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	60 min
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 (Polytex ST hardener)

Metal euro bucket 21 l: basis 21 kg
Metal bottle 3 l: hardener 1,8 kg (Polytex ST2 hardener)

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.

GUARANTED STORAGE LIFE

Polytex MIO basis (component A) guaranteed shelf life is 24 months from the date of manufacture, subject to the consumer's compliance with the rules of transportation and storage

Polytex ST, Polytex ST2 hardener (component B) guaranteed shelf life is 24 months from the date of manufacture, subject to the consumer's compliance with the rules of transportation and storage

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