



000 «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

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Release date: 14.08.2023.

Manufacturer: Russian Federation

ТУ 20.30.22-002-69372620-2020

## Primer EPPEX ST

### CERTIFICATE

State Registration Certificate № RU.01.PA.02.008.E.000319.03.21 from 23.03.2021.  
Declaration of Conformance № POCC RU Д-РУ.АД37.В.25137/20 from 14.02.2020.  
System including primer «Eppex» and enamel «Polytex» undergone accelerated environmental tests in «LKP-Khotkovo-Test», LLC NPO «LKP» to confirm projected lifetime of the coating – 20 years.  
Declaration of Conformance POCC RU A-RU.PA01.B.66148/21.  
Included in the system CTO-01393674-007-2019 «Protection of metal structures of bridges from corrosion by painting».  
Materials Safety Data Sheet №69372620-20.30-3128 from 12.03.2021.  
Materials Safety Data Sheet №69372620-20.59-3127 from 12.03.2021.

### DESCRIPTION

Two component epoxy corrosion-proof primer for steel and concrete surfaces. It consists of a semi-finished primer EPPEX (component A) and a hardener EPPEX ST (component B).

### FIELDS OF APPLICATION

The EPPEX ST primer is a classic epoxy primer based **on zinc phosphate pigments with a sufficiently long drying time, but excellent physical and mechanical properties and high anticorrosive efficiency**. It is suitable both for anticorrosive treatment of new metal structures and for carrying out repair work. Thick-layer application is possible in single run. The material can also be used as a primer layer for anticorrosive coatings of concrete surfaces. It is used as a primer or intermediate coating for epoxy and polyurethane-based coating materials in complex protection systems, as well as an independent coating used inside premises or under a canopy. Due to its high chemical resistance, hardness and resistance to abrasive wear, the primer is ideal for carrying out anti-corrosion work on diverse industrial facilities. It is used for painting the internal surfaces of tanks for storing process water, dark petroleum products and mineral fertilizers as well as for protecting steel surfaces, including for painting bridges, vehicles, cranes, steel masts, conveyors and other steel structures.  
**Information on the resistance of the material to various media is available on request.**  
Main fields of application: oil and gas sector, power, mechanical engineering, transport construction.

### TECHNICAL DATA

Colour	Grey, reddish-brown, other colours - due to customer need, tone isn't specified.	
Gloss	Matt	
Mass fraction of dry residue component A	70±5%(depending on the colour)	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,35±0,15 g/cm <sup>3</sup>	
Density components A+B	1,27±0,15 g/cm <sup>3</sup>	
Max. one layer thickness, viscosity 25 s	350 microns wet layer	
Dry volume residue	54±3%	
Dry film thickness and estimated consumption	Dry film thickness, mc	Estimated consumption, g/m <sup>2</sup>
min	80	188
max	300	706
Open time to grade 3 at 20±2°C, no more (wet film thickness 100 mc)	6 hours	
Hardener	EPPEX ST	
Readiness for operation	7 days	

Due to the wide range in color and / or gloss, this description is informative.  
Certificate of quality is the document confirming the quality of each production lot.



Собственное современное производство



Система Менеджмента Качества (ISO 9001)



Аттестованная лаборатория



На рынке с 2002 года



#### INSTRUCTION FOR USE

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

#### CONDITIONS

Two component epoxy primer EPPEX ST is applied on the surface at the air temperature from +5°C to +35°C and relative humidity no more 80%. Single-layer application is possible at a temperature of -5 ° C, while the temperature of the primer enamel should be at least +15 ° C to provide the necessary technological characteristics. Surface temperature should be 3° higher than dew point.

#### APPLICATION

<b>Blending</b>	The product is two component. Component A is a dispersion of pigments and anticorrosion filler in epoxy resin. Component B is a hardener solution. Mix the contents of the containers in the supplied proportions. After mixing, use within the specified pot life. <u>Mixing sequence:</u> The basis (component A) is mixed with a construction mixer. Then mixed hardener (component B) is added to the basis (component A) and thoroughly mixed with a construction mixer. <b>Attention!</b> Careless mixing or incorrect ratio can lead to uneven curing and painting film properties weakening.
<b>Proportions</b>	100:17 by weight 4:1 by volume
<b>Pot life at 20±2°C, no less</b>	8 hours
<b>Air-free spraying</b>	Thinning: 0-20% Nozzle diameter: 0,011-0,017" Initial pressure: 120-180 atm
<b>Air spraying</b>	Operation viscosity: 25-60 s Thinning: 10-25% Nozzle diameter: 1,4-2,5 mm Initial pressure: 3,0-4,0 atm
<b>Cross linking at 20°C</b>	No less 90 min
<b>Brush, roller</b>	Can be recommended for small and hard-to-reach areas. Thin the primer depending on the working conditions when using brush.
<b>Thinner</b>	Formula thinner EPPEX
<b>Cleaner</b>	Formula thinner EPPEX, thinners of type P4, P5.
<b>Closing-down</b>	Tubing, pistol and other spraying tools must be cleaned after using
<b>Cleaning</b>	Wash the tools after using immediately. The frequency of washing depends on the amount of sprayed material, the temperature and the time since the shutdown, including any time lag.

#### PACKAGE SIZE

Metal euro bucket 21 l: basis 21 kg  
Metal bottle 3 l: hardener 3,6 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

EPPEX primer (component A) enamel guaranteed shelf life is 24 months from the date of manufacture, EPPEX ST hardener (component B) guaranteed shelf life is 12 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 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.



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## 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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