



000 «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

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Manufacturer: Russian Federation  
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# Primer EPPEX Zn RICH

## CERTIFICATE

State Registration Certificate № RU.01.PA.02.008.E.000320.0321 from 23.03.2021  
Declaration of Conformance POCC RU.PA01.B.66148/21 from 03.02.2021  
БТД ПБ № 69372620-20.30-3129 from 12.03.2021  
БТД ПБ № 69372620-20.59-3127 from 12.03.2021

## DESCRIPTION

Two component protective zinc-rich epoxy primer EPPEX Zn RICH.

## FIELDS OF APPLICATION

**EPPEX Zn RICH primer is a cold-dip galvanizing material with a high volume dry residue, high zinc content and good protective properties.** It is recommended for use as a primer in complex anti-corrosion protection systems with polyurethane two-component enamel "Polytex". It can be used without finishing coating when painting objects exposed to atmospheric conditions (atmospheric corrosion category C1-C4).

The coating of the primer does not prevent welding operations by spot welding or arc welding in an inert gas in a layer of 15-20 microns. The coating is resistant to sea and fresh waters, salts water solutions, oil and petroleum products.

It is used for coating pipes and pipelines, oil and gas pipelines, railway bridges, road bridges, tunnels, ground parts of piles, overpass supports, road fences, navigation and vehicle control facilities as well as for coating steel structures and equipment in the wood and chemical industries.

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

Main applications: oil and gas industry, transport construction, chemical industry.

## TECHNICAL DATA

<b>Colour</b>	Grey, tone is not specified	
<b>Gloss</b>	Mat	
<b>Mass fraction of dry residue component A</b>	88±3%	
<b>Adhesion to metal (GOST 15140), no more</b>	1 point	
<b>Density component A</b>	3,45 ±0,05 g/cm <sup>3</sup>	
<b>Density components (A+B)</b>	3,16 ±0,05 g/cm <sup>3</sup>	
<b>Max. one layer thickness, viscosity 40 сек</b>	350 microns wet layer	
<b>Dry volume residue</b>	67 ±3 %	
<b>Dry film thickness and estimated consumption</b>	Dry film thickness, microns	Estimated consumption, g/m <sup>2</sup>
<b>min</b>	80	377
<b>max</b>	120	566
<b>Open time to grade 3 at 20°C, no more (wet film thickness 100 microns)</b>	1 hour	
<b>Hardener</b>	EPPEX ST	
<b>Readiness for operation</b>	7 days	

## INSTRUCTION FOR USE

1. Metal surface must be degreased to grade1 due to GOST 9.402.
2. Metal surface should be abrasive blasted to grade 2 due to GOST 9.402 (Sa 2,5 or Sa 2 no ISO 8501-1) with roughness, recommended blast profile is Rz from 30 to 50 mcm. For hot-rolled steel, mechanized and manual surface cleaning up to degree 3 is allowed due to GOST 9.402 (St 3 or St 2 to ISO 8501-1).  
Application on a smooth surface without roughening is not allowed.
3. Metal surface must be dust free.

## CONDITIONS

Basis temperature higher than dew point no less than 3°C.  
Ambient temperature from +10°C to +35°C, when applying at the temperature ≤0°C surface icing is highly possible.  
Relative air humidity no more 80%.



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## APPLICATION

### Blending

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.

#### Mixing sequence:

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.

**Attention!** Careless mixing or incorrect ratio can lead to uneven curing and painting film properties weakening.

Minimum open time before coating materials are applied (at a temperature of (20+2)°C and relative humidity (65±5)%) is 3 hours.

The maximum time of cross linking time is 6 months. With a longer cross linking time, the coating must be sanded before applying the next layer

Open time and cross linking time depend on the film thickness, temperature, relative humidity and ventilation.

### Proportions

100:3,5 by weight  
8:1 by volume

### Pot life

20±2°C - 4 hours

### Air-free spraying

Thinning: 0-10% by volume  
Nozzle diameter: 0,015"-0,021"  
Initial pressure: 120-200 atm

### Air spraying

Thinning: 5-10%  
Nozzle diameter: 2,2-2,5 mm  
Pressure: 3,5-4 atm

### Cross linking

No less than (Dry layer thickness 80 microns) at 20°C

### Brush, roller

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

### Thinner

Formula thinner EPPEX

### Cleaner

Acetone, P4, P5

### Finishing

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

### Cleaning

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 23 kg  
Metal bottle 1 l: hardener 0,8 kg

## STORAGE

Store due to the GOST 9980.5 -2009 closed in closed store premises with ambient temperature from -40 to + 40°C.

## GUARANTEED STORAGE LIFE

EPPEX Zn primer (component A) guaranteed shelf life is 6 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



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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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