



000 «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

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Release date: 1.08.2025

Manufacturer: Russian Federation

TY 20.30.22-002-69372620-2020

Primer EPPEX F

CERTIFICATE

State Registration Certificate № RU.01.PA.02.008.E.000319.03.21 от 23.03.2021 г.
Declaration of Conformance POCC RU Д-РУ. PA01. B.09510/24 от 12.03.2024 г.
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.
MSDS №69372620-20-24550 от 17.10.2024 г.
MSDS № 69372620-20.30-3128 от 12.03.2021 г.

DESCRIPTION

Two component epoxy primer for steel and concrete surfaces.

FIELDS OF APPLICATION

EPPEX F primer based on zinc phosphate pigments with high anti-corrosion efficiency is used as a primer or interlaminar coating in systems subjected to mechanical and / or chemical exposure. The primer is fast hardening at thermosetting and low temperatures. It is used to paint on assembly lines. It is convenient at production facilities where the technological process does not provide interoperation storage. It is suitable for industries where hot dryers are not available. It is used both for new metal structures anti-corrosion treatment and for repair work. Thick-layer application is possible in one pass. The material can also be used as a primer layer for concrete surfaces anticorrosive coating.

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 inside premises or under a roof.

Due to its high chemical resistance, hardness and resistance to abrasive wear, the primer is good for anti-corrosion works at diverse industrial facilities. It is used to paint the internal surfaces of tanks for storing industrial water, dark petroleum products and mineral fertilizers as well as to protect steel surfaces, including bridges, vehicles, cranes, steel masts, conveyors and etc.

It can be used as an independent coating inside the room.

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

Main fields of application: oil and gas industry, power engineering, mechanical engineering, transport construction

TECHNICAL DATA

Colour	Grey, reddish-brown, other colours - due to customer need, tone isn't specified. Coating colour can differ from base colour (component A) after hardening.	
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 ³	
Density components A+B	1,28±0,15 g/cm ³	
Максимальная толщина однослойного покрытия при вязкости 25 сек	350 microns wet layer	
Dry volume residue	57±3%	
Dry film thickness and estimated consumption	Dry film thickness, microns	Estimated consumption, g/m ²
	min	180
	max	674
Hardener	EPPEX F	

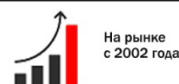
Due to the wide range in color and / or gloss, this description is informative.

Certificate of quality is the document confirming the quality of each production lot

INSTRUCTION FOR USE

Metal surface should be abrasive blasted to grade Sa 2,5 to GOST R ISO 8501-1-2014. 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 F is applied on the surface at the air temperature from +5°C to +35°C and relative humidity no more 80%. It is possible to apply at a temperature of -5°C, while the temperature of the primer should be at least 15°C to ensure the necessary technological characteristics. Surface temperature should be 3° higher than dew point.

APPLICATION

Blending

The product is two components. 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.

Proportions

100:17 by weight
4,5:1 by volume

Pot life at 20°C, no less

5 hours

Air-free spraying

Thinning: 0-20%
Nozzle diameter: 0,011-0,017"
Initial pressure: 120-180 atm

Air spraying

Operation viscosity: 18-60 s
Thinning: 10-35%
Nozzle diameter: 1,4-2,5 mm
Initial pressure: 3,0-4,0 atm

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

Formula thinner EPPEX, thinners of type 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.

DRYING TIME

Surface temperature	-5°C	+5°C	+10°C	+20°C	+30°C	+35°C
Degree 1 (GOST 19007)	5 h	3 h	2,5 h	90 min	55 min	40 min
Degree 3 (GOST 19007)	14 h	8 h	6,5 h	3 h	2 h	1,5 h
Minimum recoating interval	-	12 h	4 h	1,5 h	1 h	-
Start of operation	-	20 d	14 d	7 d	7 d	-

Minimum recoating interval: the minimum recommended time the next coat to be applied.

Start of operation: the minimum time the coating to be exposed to a given environment.

These data should be considered only as indicative for a wet film thickness of 100 microns.

PACKAGE SIZE

Metal euro bucket 21 l: basis 21 kg
Metal bottle 5,2 l: hardener 3,6 kg

STORAGE



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Store in a tightly closed container in a dry room, away from sources of ignition, protecting from direct sunlight and moisture.

GUARANTEED STORAGE LIFE

EPPEX F primer basis (component A) and EPPEX F hardener 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 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



Собственное
современное
производство



Система
Менеджмента
Качества
(ISO 9001)



Аттестованная
лаборатория



На рынке
с 2002 года