



ООО «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

8 (4932)773-503



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

Release date: 1.08.2025.

Manufacturer: Russian Federation

ТУ 20.30.22-002-69372620-2020

Primer EPPEX SF 90

CERTIFICATE

Declaration of Conformance РОСС RU Д-РУ. ПА01. В.09510/24 от 12.03.2024 г.
State Registration Certificate № RU.01.PA.02.008.E.000319.03.21 от 23.03.2021 г.
MSDS № 69372620.20.85258 от 14.11.2023 г.
MSDS № 69372620.20.85256 от 14.11.2023 г.

DESCRIPTION

Two component epoxy corrosion-proof primer for steel and concrete surfaces.

FIELDS OF APPLICATION

EPPEX SF90 primer is used as a primer layer or interlayer coating in complex protection systems. It provides good performance of the coating and long-term corrosion protection. It has a high volume dry residue, which allows to increase the manufacturability of the painting process. The EPPEX SF90 material can be used as an independent coating applied in a single layer, the thickness of which is 200 microns. It is used for painting the external surfaces of containers, process pipelines, for protecting steel surfaces, including bridges. It is successfully used in anticorrosive chemically resistant systems.

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	88±3%	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,66±0,05 g/cm³	
Density components A+B	1,54±0,05 g/cm³	
Dry volume residue	80±3%	
Dry film thickness and estimated consumption	Dry film thickness, mc	Estimated consumption, g/m²
min	180	359
max	300	597
Open time to grade 3 at 20°C, no more (wet film thickness 100 mc)	2,5 hours	
Open time to grade 3 at 20°C, no more (wet film thickness 250 mc)	4 hours	
Hardener	EPPEX SF2	
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

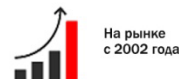
Metal surface should be abrasive blasted to grade Sa 2,5 to GOST R ISO 8501-1-2014. Cleaned surface must be free of dust and grease.
If the quality of surface preparation decreases, the service life and its operating performance may change.

CONDITIONS

Two component epoxy primer EPPEX SF 90 is applied on the surface at the air temperature from +5°C to +35°C and relative humidity no more 80%. 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	100:12 by weight 5:1 by volume
Pot life at 20°C, no less	3 hours
Air-free spraying	Thinning: 5-20% Nozzle diameter: 0,011-0,017" Initial pressure: 120-180 atm
Air spraying	Thinning: 10-30% Nozzle diameter: 1,4-2,6 мм 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.
Closing-down	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	+10°C	+20°C	+30°C	+35°C
Degree 1 (GOST 19007)	2 h	2 h	45 min	0,5 h	0,5 h
Degree 3 (GOST 19007)	4 h	3 h	2,5 h	1 h	1 h
Minimum recoating interval	24 h	16 h	5 h	5 h	5 h
Start of operation	14 d	14 d	7 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 3 l: hardener 2,6 kg

STORAGE

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

GUARANTEED STORAGE LIFE

Expire date of EPPEX SF 90 primer and EPPEX SF2 hardener is 24 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 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



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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