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ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ
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Release date: 13.02.2024.
Manufacturer: Russian Federation
ТУ 20.30.22-002-69372620-2020

Primer EPPEX MIO

CERTIFICATE

State Registration Certificate № RU.01.PA.02.008.E.000319.03.21 23.03.2021 г.
Declaration of Conformance РОСС RU Д-RU. PA01. B.09510/24 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.
Included in the system СТО-01393674-007-2019 «Protection of metal structures of bridges from corrosion by painting».
Materials Safety Data Sheet №69372620-20-24550 17.10.2024 г.
Materials Safety Data Sheet №69372620-20.30-3128 12.03.2021 г.

DESCRIPTION

Two-component highly structured epoxy material pigmented with iron mica.

FIELDS OF APPLICATION

EPPEX MIO primer is used as a self-priming coating or a mechanically resistant intermediate coating in systems exposed to mechanical and/or chemical actions. Forms a hard and durable coating. In combination with a two-component primer and a finishing coat, it is a mechanically water- and chemically resistant coating system for long-term corrosion protection. It is used in shipbuilding and ship repair, for painting bridges and lighthouses.

TECHNICAL DATA

Colour	Grey, tone isn't specified.	
Gloss	Matt	
Mass fraction of dry residue component A	82±5%	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,85±0,05 g/cm^3	
Density components A+B	1,65±0,05 g/cm^3	
Max. one layer thickness, viscosity 25 s	300 microns wet layer	
Dry volume residue	72±5%	
Dry film thickness and estimated consumption	Dry film thickness, mc	Estimated consumption, g/m^2
min	80	176
max	200	440
Hardener	EPPEX M	

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 1 or 2 due to GOST 9.402
(Sa 2^(1/2) 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 MIO is applied on the surface at the air temperature from +5^{0}C to +35^{0}C and relative humidity no more 80%. Surface temperature should be 3^0 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 3:1 by volume
Pot life at 20^{0}C, no less	3 hours
Air-free spraying	Thinning: 0-20% Nozzle diameter: 0,011-0,017" Initial pressure: 120-180 atm
Air spraying	Operation viscisity:25-60 s Thinning: 10-25% Nozzle diameter:1,4-2,5 mm Initial pressure: 3,0-4,0 atm
Cross linking at 20^{0}C	3 hours
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**
Degree 1 (GOST 19007)	3 ч	2,5 ч	1,25 ч	1 ч
Degree 3 (GOST 19007)	7 ч	6 ч	5 ч	3 ч
Minimum recoating interval	-	-	3 ч	2 ч
Start of operation	21 д	14 д	7 д	7 д

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 25 kg
Metal bottle 5,2 l: hardener 4,3 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**.**

GUARANTED STORAGE LIFE

Expire date of EPPEX MIO primer (component A) and EPPEX M hardener (component B) 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 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.