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Manufacturer: Russian Federation
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Primer EPPEX ECO

CERTIFICATE

Expert opinion on the possibility of application in the food industry №2-52-10-164 7.08.2024.

DESCRIPTION

Two-component solvent-free polyamine-cured epoxy material EPPEX ECO primer. It consists of a semi-finished primer EPPEX ECO (component A) and a hardener EPPEX ECO (component B).

FIELDS OF APPLICATION

It is used as an independent coating of the inner surface of tanks for storing drinking water, vegetable oils and domestic wastewater. It is suitable for properly prepared substrates made of carbon, galvanized, stainless steel and concrete

TECHNICAL DATA

Colour	White, tone isn't specified.	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,72-1,77 g/cm ³	
Dry volume residue	98±2%	
Dry film thickness and estimated consumption	Dry film thickness, mc	Estimated consumption, g/m ²
	min	230
	max	750
Hardener	EPPEX ECO	
Open time to grade 3 at 20±2°C, no more (wet film thickness 150 microns)	8 hours	

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

Surface	Surface preparation	
	Min	Recommended
Carbon steel	Sa 2½ (ISO 8501-1) or NACE No. 2 /SSPC SP-10	Sa 2½ (ISO 8501-1) or NACE No. 2 /SSPC SP-10
Stainless steel	Manual sweep blasting	Sweeping with abrasive blasting equipment to create a surface profile
Galvanized steel	Water jet cleaning to Wa 1 (ISO 8501-1).	Cleanliness meets the description Sa 1 (ISO 8501-1).
Concrete	Dry abrasive blasting to SSPC-SP 13/NACE No. 6.	Dry abrasive blast cleaning in accordance with SSPC-SP 13/NACE No. 6.

Optimal performance, including adhesion, corrosion protection, heat resistance, and chemical resistance, is achieved with recommended surface preparation.

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. <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. Attention! Careless mixing or incorrect ratio can lead to uneven curing and painting film properties weakening.
Proportions	100:30 by weight 2:1 by volume Regardless of the base temperature, the minimum temperature of the base and hardener mixture should be +10°C.
Induction time	10 min
Pot life at 20°C, no less	1 hour
Air-free spraying	Nozzle diameter: 0,19-0,25" Initial pressure: 173 atm
Brush, roller	Can be recommended for small and hard-to-reach areas. Thin the primer depending on the working conditions when using brush.
Cleaner	Use special compounds to clean equipment.
Temperature resistance	The product is able to withstand temperatures, maintaining protective properties, up to +120°C dry heat (peak values, no more than 60 min., +140°C), immersion in seawater + 50°C (peak values, no more than 60 min., +60°C), immersion in crude oil +70°C (peak values, no more than 60 min., +80°C). The indicated temperatures relate to the protective properties preservation. Appearance may suffer in these conditions.
Product compatibility	Various primers and topcoats can be used in combination with this product. Previous layer: epoxy coating. Subsequent layer: epoxy coating. To clarify, contact the supplier.

DRYING TIME

Surface temperature	+10°C	+20°C	+40°C
Degree 1 (GOST 19007)	15 h	6 h	1,5 h
Minimum recoating interval	30 h.	12 h.	4 h
Start of operation	15 d	7 d	4 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.

PACKAGE SIZE

Metal euro bucket 21 l: basis 17 kg
Metal bottle 7 l: hardener 5,2 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 ECO primer (component A) and EPPEX ECO hardener (component B) is 12 months in case if delivery and storing rules are followed. After expire date shouldn't be used without tests



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HEALTH AND SAFETY

The product is intended for professional use only. Employees must be trained, experienced and equipped with the appropriate mixing and coating equipment correctly and in accordance with the technical documentation. Personnel should use appropriate personal protective equipment.

The guidance is given based on current information about the product. Any proposed deviation in accordance with the site conditions must be sent to the responsible representative for approval and before the start of work.

Take precautions. Use in a well-ventilated environment. Do not inhale aerosol mist. Avoid skin contact. Skin contact should be removed immediately with a suitable detergent, soap and water. The eyes should be rinsed well with water and seek medical attention immediately.

COLOUR CHANGE

The color and gloss of the primer may vary slightly depending on application conditions, service conditions, supplied batch.

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.