

STACOR EP Rapid

Two-component zinc-phosphate epoxy primer for steel.

1. Product description:

STACOR EP Rapid is a two-component anti-corrosive amine-cured epoxy primer containing zinc phosphate. After curing the material forms a hard coating with high corrosion resistance. Fast-curing material with a short drying time.

2. Range of use:

STACOR EP Rapid is used as a surface-tolerant primer coat. It serves as the primer in three-coat systems for steel, stainless steel, aluminium and galvanized surfaces. Recommended for steel structures exposed to corrosivity categories C2-C5 (ISO 12944-2). It can also be used as a repair material. Ideal for application in steel fabrication shops.

3. Material properties

Colour:	Grey (or other colours to order)
Theoretical consumption:	0.214 kg/m ² at a dry film thickness of 100 microns.
Density:	~ 1.50 g/cm ³
Dry residue content by volume:	70 ± 2%
Shelf life:	12 months from the date of manufacture.
Storage conditions:	In a cool and dry environment at temperature from -40 °C to +40 °C, in tightly sealed container, protecting from moisture and direct sunlight.
Packaging norm:	STACOR EP Rapid (set): 22.5 kg (net) STACOR EP Rapid component A: 18.5 kg (main component)
Coating thickness:	STACOR EP Rapid component B: 4.0 kg (hardener) Dry film thickness - 100 microns (1 layer) Wet film thickness - 143 microns (1 layer)

4. Technical data

Surface preparation:	<u>Steel:</u> <u>Abrasive blasting to Sa 2½ according to ISO 8501-1 (surface preparation according to ISO 12944-4), cleaning grade 2 according to GOST 9.402. Cleaning grade Sa 2, St 2 is permissible.</u> <u>Free from dirt, grease and oil.</u> <u>Galvanized steel:</u> <u>The surface must be free from oil, grease and corrosion products. If condensation is possible during service, light sweep blasting to ISO 12944-4 with a non-metallic abrasive is required.</u> <u>Stainless steel, aluminium:</u>
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	<u>Light sweep blasting to ISO 12944-4 with a non-metallic abrasive.</u>			
Preparation of material:	Stir component A mechanically before mixing. Mix components A+B carefully in the prescribed proportion before application. Comp. A : Comp. B = 18.5 : 4.0 by weight. Mixing time with an electric mixer should be at least 3 minutes. Stop mixing when a homogeneous mixture is obtained.			
Application temperature:	Min +5 °C max +40 °C			
Relative humidity:	30...80 % during application. During application and drying the surface temperature should be +3 °C higher than the dew point temperature.			
Application method:	By brush, roller, high-pressure spraying and airless spraying. When applied by airless spraying: Nozzle diameter - 0,016...0,018 in. Initial pressure - 12...15 MPa			
Potlife:	At + 20 °C approx. 3-4 hours.			
Thinner:	Thinner st-ep, or equivalent, as agreed with the supplier			
Dilution:	Generally, no dilution is necessary, but up to 7 % by weight is permissible.			
Drying conditions:		+10 °C	+20 °C	+60 °C
	Drying time before next layer coating	5 h	3 h	1 h
Health and safety information:	The components of the primer are combustible. Contain organic solvents.			

These data provide information on our product and its application according to the state of the art. However, they do not guarantee the properties of the product in every particular case.

Warnings on the label must be followed. Any existing industrial property rights must be observed.

We guarantee the high quality of our products within the framework of the general terms and conditions of sale for the domestic market or for export.

As our materials are regularly improved in line with market requirements, respective technical information changes as well. Please make sure that your version is up to date before application.