



Two-compound epoxy enamel EP-140



State Standard (GOST) 24709-81

EP-140 is a two-compound anticorrosion epoxy enamel with polyamide hardener.

Spheres of Application and Characteristics:

- The enamel is used for painting on previously primed surfaces of steel, magnesium-base, aluminum and titanium alloys as well as of copper and its alloys.
- After mixing the enamel with the hardener it has a long time life.
- Filler's scam has good adhesion to metallic surfaces that allows to paint surfaces without previously priming.
- Working life of the coating with thickness of 100-150 mcm is 5 years minimum.
- Enamel EP-140 is well combined with epoxy, polyurethane, acryl and alkyd coatings. Recommended epoxy primers are «Sintego-EG», «Sintego-EG optima», «Sintego –EG protector».

Technical characteristics:

Name of characteristic and measure unit	Value
Appearance	Color-white, black, grey, red, yellow, blue, dark blue, green. Coloring is possible by the request of the customer.
Non-volatile matters content, %, min. (depending on enamel color)	37
Gelatination time after mixing of the base with the hardener, h, min.	24
Relative viscosity by flow meter-246, sec.	13-19
Density at 20±0,5 °C, g/cm ³	1,20-1,40
Degree of grinding, mcm, max.	40
Adhesion, points, max.	1
Flexibility, mm, max.	2
Scam strength at impulse, cm, min.	50
Scam firmness according to pendulum, standard units, min.	0,5
Recommended thickness of one layer, mcm, within	30-50
Drying time of the layer with the thickness of 50 mcm to the degree 3 at 25°C, h, max.	6
Heat resistance of silver enamel at 250 °C, h, min.	3
Scam resistance to impact of (h, min.):	
– water	24

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– 3 % sodium chloride solution	24
– oil – benzene (nefras)	24
Material consumption at the thickness of the layer 30-50 mcm, kg/m ²	0,03-0,075

Application instruction

The previous priming of painted surfaces is made with epoxy, polyurethane, acryl or alkyd primer.

If the enamel is applied on clean metal, prepare the surface according to State Standard (GOST) 9.402 (degree of oxide cleaning – 2, degreasing degree -1) or according to MC ISO 8501-1 up to the degree Sa 2½ or St 3.

Means of application. Enamel's base must be mixed before application with the polyamine hardener in ratio 12:1 by mass. If it is required, after mixing with the hardener the enamel may be diluted by solvent (mixture of solvents consisting of acetone, etylcelosolve and xylene in ratio 30:30:40 by mass) to achieve the working viscosity depending on means of application. The enamel can be applied with a brush, a roller or by pneumatic spraying or pouring in after 30 minutes of the components mixing.

The surface temperature during application must be 3 °C min. above drop point and not below 10°C. The recommended quantities of layers depend on conditions of coating exploitation.

Package and storage

Packaging is made according to State Standard 9980.3.

Storage is carried out according to State Standard 9910.5.

Guarantee storage term – 12 months from the date of manufacture.

Occupational safety and safety appliances

During epoxy enamel application, follow precautions recommended during the working with epoxy materials and hardeners.

It should be used in well ventilated rooms. Avoid inhalation, eye and skin contact.



Bureau Veritas Certification confirms that Quality Management System of InterGazSintez is examined and met the requirements of standard ISO 9001:2000 in anticorrosion, fireproof and other paints production (Certificate No. 213639 dated 12.09.07).

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Enterprise “InterGazSintez” received Certificate of Certification System UkrSepro as for the accordance of the Quality Management System of production to GOST (State Standard) ISO 9001-2001 (Certificate No. UA2.043.02607-07 dated 26.10.2007)