

ANTIKOROZIN-E

*Two component, anti-corrosive, epoxy resin-based coating
for protection of steel surfaces*

Field of application:

For anti-corrosive protection of steel surfaces exposed to chemical attack: industrial facilities, storage tanks, pipelines, reinforcing steel, steel structures in chemical plants, steel structures in mines, etc.

Properties:

- Red paste-like compound;
- High chemical resistance;
- Ice resistant and weatherproof;
- Wear-and-tear resistant;
- Resistant to bacteria;
- Excellent adhesion;
- Easy to apply.

Technical features:

Appearance:	A component: red colour, paste-like compound B component: honey-coloured viscous liquid with specific odour
Density:	1.56 – 1.62 g/cm ³
Pot-life at T=20°C (according to EN ISO 9514)	2 to 3 hours
Mixing ratio:	A : B = 6 : 1
Drying time (touch dry) of a film of 100µ at T = 20°C	30 to 40 minutes
Curing time (hard dry) of a film of 100µ at T = 20°C	1 to 2 hours
Final cure at T=20°C	7 days

Substrate preparation:

The substrate should be clean, grease-free, and dry, and sandblasted up to the point of reaching cleanliness of CA 2½ according to BS EN ISO 8501-1. Antikorozin-E should be applied as soon as possible, before the surface starts to corrode again.

Application:

Before mixing A and B component together, it is necessary to mix component A by using a slow electric mixer until a completely uniform mixture is obtained.

The material is prepared in such a way that component B is poured into component A in the prescribed ratio and they are mixed together by using an electric mixer (200-300 revolutions/minute) until a completely uniform mixture is obtained.

The prepared material should be applied mechanically under pressure by means of airless spraying under pressure of 200-300 bars with a nozzle of 6.45 – 7.45 at a distance of 20-30cm from the substrate (these data may vary depending on the type of spraying tool) or manually in two layers by using a wool paint roller or a brush.

Each new layer should be applied on top of a completely cured layer.

During the application of Antikorozin-E, the temperature of the substrate should range between +5°C and +25°C.

During the application of Antikorozin-E, the ambient temperature should be between +5°C and +30°C, whereas the ambient air humidity should be <70%.

If the process of applying the material is made difficult because of the temperature conditions, Solvent P (Rastvoruvac P) may be added to the mixture (mixed A and B component) up to a maximum of 5.0%.

The total dry film thickness of the coating should amount to 80 - 100µ.

Consumption:

For a layer of freshly applied film of 100µ
(A+B): 0.17 – 0.19 kg/m²

Cleaning:

The tools and equipment should be cleaned with Solvent P (Rastvoruvac P) immediately after use.

Packaging:

In sets of 4.67 and 21 kg
A component: 4.0 and 18.0 kg
B component: 0.67 and 3.0 kg

Storage:

In the original closed packaging, in dry premises, at temperature between 10°C and 30°C, protected from exposure to direct sunlight.
Shelf life: 9 months.

Health hazards: Avoid contact of the product with skin and eyes and avoid direct inhalation when mixing A and B component. In case of accidental contact of the product with the skin, remove it immediately by using a dry towel or a towel lightly soaked in Solvent P (Rastvoruvac P), and then wash the skin thoroughly with clean water and soap. If the material splashes into the eyes, immediately rinse the eyes with clean water and seek medical advice. It is necessary to ensure ventilation of the premises where resins and solvents are handled.

Fire: Antikorozin-E and Solvent P (Rastvoruvac P) contain flammable ingredients. Keep them away from open fire. No smoking during application.

Cleaning and disposal: Loose residues of Antikorozin-E should be cleaned with Solvent P (Rastvoruvac P). The old and used packaging should be disposed of in accordance with local regulations for that type of waste. We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.