

EPINOX 60

Epoxy primer

Fast curing, two component epoxy paint, containing inert pigments, cured with polyamines.

For priming of steel surfaces of tanks and installations before painting with antielectrostatic TEKNOS coatings.

Coating with very good adhesion to surfaces, flexible and resistant to mechanical factors. Coating has antielectrostatic properties (volume resistivity maximum $10^4 \Omega$). It is not necessary to remove it before overpainting with antielectrostatic coating eg. INERTA 266 (EPITAN 66).



TECHNICAL DATA

Fields of application	Storage tank		
Recommended substrate	Steel		
Binder	Epoxy		
Solids	42±2% by volume (ISO 3233)		
Total mass of solids	Approx. 970 g/l		
Volatile organic compound (VOC)	Approx. 480 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.		
Theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m²/l)
	30	71	14.1
	As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.		
Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.		
Colours	TO-250 red oxide		
Hardener	Comp. B: UTWARDZACZ 014		
Mixing ratio (A:B)	100:54 parts by volume		
Pot life, +23 °C	8 h		
Thinner	Not required. If necessary (eg. thickening of product) use TEKNOSOLV 9506.		
Storage	The storage stability is shown on the label. Store in a cool place and in tightly closed containers.		

DIRECTION FOR USE

Surface preparation

Before cleaning of surface, it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water. The surfaces are prepared according to the different materials as follows:

STEEL SURFACES: The surface to be treated must be dry, salt-, grease-, dust- and rust-free, cleaned to the degree of cleanliness according to ISO 8501-1 at least Sa 2½.

Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

Application method

Airless spraying, Brush

Application

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.

Apply by airless spray or brush.

Airless spray parameter:

Nozzle size 0.013 - 0.019".

Nozzle pressure 10-15 MPa.

Antielectrostatic properties of coating systems and coating-laminates systems based on EPINOX® 60, glass fabric, EPITAN 66 were validated in protocol No 01/295/2002 by Institute of Industrial Organic Chemistry. According to decision, coatings are suitable for explosion hazard zones, classified by regulation of Ministry of the Interior dated 3 November 1992 (Dz. U. No 92 from 10 Dec. 1992), without any limitations.

Application conditions

During the application and drying period the temperature of the ambient air and the surface shall be above +10°C and the relative air humidity below 85%. The temperature of the surface to be treated must be at least +3°C above the dew point of the ambient air. Adequate ventilation during application and drying period is recommended.

Drying time	+23 °C / 50% RH (dry film 30 µm)	
- dust free	after 1 h	
- touch dry	after 2 h	
- fully cured	after 7 days	
Overcoatable	Surface temperature	By itself and by paints from EPITAN group
		Min. Max.
	+10 °C	8 h 2 months
	+23 °C	4 h 2 months
Given indications relates to the recommended coating thickness, drying in good ventilation conditions. Overcoating times may be different with a change of temperature, ventilation, number of layers and the thickness of the coating.		
Cleaning	TEKNOSOLV 9506	

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

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