

EPITAN 95

Epoxy Tank Coating

Modified epoxy paint, thixotropic, low solvent content, cured with amines.

For protection of inside linings of potable and industrial water tanks.



High gloss, hard coating with good adhesion to surfaces and resistant to mechanical factors. Coatings resistant to water, wine, beer, fruit juices, must, fat and edible oils. Coating resistant to methyl isobutyl ketone, xylene, citric acid, diluted and concentrated alkali solutions, demi water and vegetable oil.



TECHNICAL DATA

Fields of application	Storage tank		
Recommended substrate	Steel		
Binder	Epoxy		
Solids	90±1% by volume (ISO 3233)		
Total mass of solids	Approx. 1560 g/l		
Volatile organic compound (VOC)	Approx. 100 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)
	200	220	4.5
	300	330	3.0
	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-320 sandy		
Hardener	Comp. B: EPITAN 95 UTWARDZACZ		
Mixing ratio (A:B)	100:47 parts by volume		
Pot life, +23 °C	30 min		
Thinner	Not needed. In exceptional circumstances use TEKNOSOLV 6060		
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.

STEEL SURFACES: The surface to be treated must be dry, salt-, grease- and dust-free, cleaned to the degree of cleanliness according to ISO 8501-1 at least Sa 3. Prepared surface roughness should be Rz at 60- 100 microns.

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 (only for small surfaces). When using a brush it may be necessary to dilute paint (3% of TEKNOSOLV 6060) and apply several layers to achieve recommended coating thickness.

Airless spray parameter:

Nozzle size 0.021 - 0.026".

Nozzle pressure 20 - 30 MPa

Depending on application and type of construction, other thickness of a single layer can be assumed instead of recommended. Typical dry film thickness range using airless spray is from 200 to 300 µm. Changing the thickness of the coating changes the theoretical consumption, thickness, weight of dry coating, drying time, time of recoating and finishing work.

Before usage for edible products, tank should be cleaned according to sanitary certificate.

Application conditions

During the application and drying period the temperature of the ambient air, the surface and the product shall be above +10°C and the relative air humidity below 80%. Additionally, the temperature of the surface to be treated and the product 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 200 µm)	
- dust free	after 4 h	
- touch dry	after 18 h	
- fully cured	after 7 days	
Overcoatable	The shortest time between painting and potable water usage	
	Surface temperature	Days
	+10 °C	28
	+20 °C	14
	+30 °C	7
	By itself	
	Surface temperature	Min. Max.
	+10 °C	8 h 46 h
	+20 °C	4 h 24 h
	+30 °C	2 h 12 h

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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