

# EPINOX 12

## Epoxy varnish

Two component epoxy transparent varnish, primer, cured with polyaminoamide.

For priming of: wood, concrete and ceramics before painting with epoxy, coal-tar epoxy or vinyl coatings. Also suitable as self-protection of surface.

Hard and flexible coating, with outstanding adhesion to surfaces.



## TECHNICAL DATA

<b>Recommended substrate</b>	Ceramics, Concrete, GRP (glass reinforced polyester), Wood		
<b>Binder</b>	Epoxy		
<b>Solids</b>	40±2% by volume		
<b>Total mass of solids</b>	Approx. 1185 g/l		
<b>Volatile organic compound (VOC)</b>	Approx. 540 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.		
<b>Theoretical spreading rate</b>	<b>Dry film (µm)</b>	<b>Wet film (µm)</b>	<b>Theoretical spreading rate (m²/l)</b>
	20	50	20
	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.		
<b>Practical spreading rate</b>	The values depend on the application technique, surface conditions, overspray, etc.		
<b>Colours</b>	TO-000 transparent		
<b>Gloss (60°)</b>	Semi-gloss		
<b>Hardener</b>	Comp. B: UTWARDZACZ 897		
<b>Mixing ratio (A:B)</b>	100:40 parts by volume		
<b>Pot life, +23°C</b>	8 h		
<b>Thinner</b>	Not needed. If necessary (priming porous substrates) use TEKNOSOLV 9506.		
<b>Storage</b>	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.

CONCRETE SURFACES: fully cured (minimum 28 days at 23 °C), rough, without cracks, crevices and laitance, jet cleaned or cleaned using a wire brush. Surface must be dry (relative humidity max. 4%), fat-, salt-, dust- and inclusions-free.

POROUS SURFACES: (wood, concrete, ceramics) is recommended to prime using diluted varnish EPINOX 12.

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. Mixing by machine is recommended, for example a slow-rotating hand-drill equipped with a mixer. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties. Mix thoroughly components and wait 15 minutes (at 23 °C) before use.

Apply by airless spray or brush.

Airless spray parameter:

Nozzle size 0.013 - 0.017"

Nozzle pressure 10 - 12 MPa

### Application conditions

During the application and drying period the minimum temperature of the ambient air, the surface and the product shall be above +5 °C and the relative air humidity below 85%. 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 20 µm)

#### - dust free

after 1 h

#### - touch dry

after 5 h

#### - fully cured

after 7 days

### Overcoatable

Surface temperature	Min.	Max.	To grind
+23 °C	8 h	3 days	24 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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