

PAINT TYPE

TEKNOPOX PRIMER 60-00 is a fast curing two-pack epoxy primer containing anticorrosive pigment - zinc phosphate. The product cures also in low temperatures (above -10°C).

USAGE

The paint is used as anticorrosive coating, primer or intermediate coat in epoxy or epoxy-polyurethane painting systems. It can be used for fast recoating with another layer. In inner conditions can be used as self-contained painting system.

SPECIAL PROPERTIES

The matt surface, mechanically resistant and well attached to subjects. The surface is resistant to atmospheric conditions. Exposed to direct sun radiation, the surface may chalk or change the shade.

TECHNICAL DATA

Mixing ratio

Base (Comp. A): 11 parts by volume
 Hardener (Comp. B): TEKNOPOX HARDENER 7460 1 parts by volume

Pot life; +23°C

6 h

Solids

60±2% by volume

Total mass of solids

abt. 1010 g/l

Volatile organic compounds (VOC)

abt. 370 g/l

Recommended film thickness and theoretical spreading rate

Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
40*	65*	15,4*
80	130	7,7
100	170	5,9
150	250	4,0

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. *when air spray method used.

Practical spreading rate

The values depend on the application technique, surface conditions, overspray, etc.

Drying time at +23°C / 50% RH (dry film 100µm)

- dust free (ISO 9117-3:2010)
- touch dry (DIN 53150:1995)
- fully cured

after 30 min
 after 3 h 30 min
 after 5 days

Overcoatable

Temperature	By itself, by products from series TEKNOPOX PRIMER 7-00 and TEKNOPOX PRIMER 87-00		By polyurethane top coats form EMAPUR group , TEKNOPOX 70 5-00, INERTA 271	
	Min.	Max.	Min.	Max.
-5°C	12 h	1 month*	12 h	1 month*
0°C	10 h	1 month*	10 h	1 month*
+5°C	5 h	1 month*	5 h	1 month*
+10°C	4 h	1 month*	4 h	1 month*
+23°C	3 h	1 month*	3 h	1 month*

*unlimited in internal conditions. A completely clean surface is mandatory to ensure the best intercoat adhesion. If the maximum overcoating interval has been exceeded, the surface must be roughened before overcoating. Increase in film thickness and rise in the relative humidity of the air in the drying space slow down the drying process and effect the overcoating properties.

**If some other primers or top coats besides the ones mentioned above are used, please contact Teknos representative for overcoating recommendations.

Thinner

Not needed. IF needed (eg. rise in viscosity) use TEKNOSOLV 9506 or TEKNOSOLV 564.

Clean up TEKNOSOLV 9506 or TEKNOSOLV 564

Finish Matt

Colours TO-880 – dark grey

SAFETY MARKINGS See Safety Data Sheet

DIRECTION FOR USE

Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Remove also water-soluble salts by using appropriate methods. The surfaces are prepared according to the different materials as follows:
STEEL SURFACES: sandblasted surfaces or mechanically cleaned to Sa2/St3 grade (according to standard ISO 8501-1). To achieve the highest resistance and durability of coating, it is recommended to clean substrate to at least Sa 2½. The surface ready for painting should be dry, salt-, grease- and dust-free. The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Mixing of the components

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting 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.

Application conditions

During the application and drying period the minimum temperature of the surface shall be above -5°C (frost- and ice-free surface), at least 3°C above the dew point of the ambient air. Minimum ambient air temperature -10°C. Maximum humidity 85%. Minimum paint temperature +15°C. Adequate ventilation during application and drying.

Application

Recommended application method – airless spray. Other application methods allowed: air spray (it is recommended to thin paint approx. 20% with TEKNOSOLV 9506 or TEKNOSOLV 564) and brush application (it is recommended to thin paint approx. 3% with TEKNOSOLV 9506 or TEKNOSOLV 564). In case of brush or air spray application paint several times to achieve typical dry film thickness.

Airless spray application recommendation:

nozzle	0,013 - 0,017"
pressure	20 - 30 MPa

ADDITIONAL INFORMATION

When preparing painting specification, depending on subject and type of construction, different dry film thickness than recommended can be assumed. During airless spray application typical dry film thickness range is between 70 and 300 µm. Different dry film thickness than recommended causes change in theoretical spreading rate, wet film thickness, weight of dry film thickness, drying time, overcoating time and ready for handling time.

Polyester putty is not recommended to be used on top of TEKNOPOX PRIMER 60-00.

The storage stability is shown on the label. Store in a cool place and in tightly closed containers. Additional instructive information for surface preparation can be found in standards EN ISO 12944-4 and ISO 8501-2.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest version of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.
