

**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 <sup>2</sup> /l)
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.

**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, TEKNODUR 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 564 or TEKNOSOLV 9506.

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<b>Clean up</b>	TEKNOSOLV 564.
<b>Finish</b>	Matt
<b>Colours</b>	TO-880 – dark grey
<b>SAFETY MARKINGS</b>	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:** Remove mill scale and rust by blast cleaning to preparation grade Sa 2½ (standard ISO 8501-1). Roughening the surface of thin-plate improves the adhesion of the paint to the substrate.

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**

Airless spray recommended (brush – only for small areas). For brush painting it is recommended to thin paint (abt. 3% of thinner) and to 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.

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

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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](http://www.teknos.com).

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