

# POLYAMOL Primer Plus

Data Sheet 2142 / Version 14 / 11.2022

## 8 : 1 EP curing agent 3000 or 10 : 1 EP curing agent 3500 Rapid (1 kg container only)

### General description

Product	POLYAMOL Primer Plus is a high quality, universally applicable 2-component epoxy primer and was developed to attain the corrosivity class C5 with duration of protection level „high“ according to DIN 12944. The primer can be used anywhere where a phosphate primer is required.		
Resin	Epoxid / Polyaminoamide		
Pigmentation	Zincphosphate, organic and inorganic pigments		
Usage	Steel construction, metal elements, plant construction, machine construction, anticorrosion protection, industrial paint plants		
Properties	<ul style="list-style-type: none"><li>– Very good corrosion protection properties</li><li>– Fast curing also in thick coats</li><li>– High solids content</li><li>– Low solvent content</li><li>– High endurance quality</li></ul>		
Degree of gloss	Silk matt (when used with EP hardener 3500 Rapid the gloss level becomes slightly duller)		
Colors shade	– RAL-colours (Art. 13275)	– Grey	ca. RAL 7030 (Art. 13360)
	– White ca. RAL 9016 (Art. 13301)	– Lightgrey	ca. RAL 7035 (Art. 13359)
	– Black ca. RAL 9005 (Art. 13362)	– other colours on request	
Container	4 kg, 20 kg (White also in 1 kg)		
Storage	Store in a cool, dry location in well sealed containers. Pay attention to "use by" date on label.		

### Processing notes

Mixing rate	by weight: 8 : 1 with EP curing agent 3000 (Art. 13274) by weight: 10 : 1 with EP curing agent 3500 Rapid (Art. 14706)			
Thinning	10 – 30% EP thinner 5702 (Art. 10522) or universal thinner 5119 (Art. 10516). For application with paintbrush or roll use 5 – 10% retarder 2007 (Art. 10845). The use of other thinners may lead to impaired results and reduced quality.			
Pot life	Approx. 10 hrs			
Application	Maximum pressure without air support (Airless), maximum pressure with air support (Airmix), high pressure (flow or suction cup, pressure tank, pneumatic pump), suitable for ESTA, paintbrush or roll			
Air-drying	Touch-dry: approx. 40 min	Tack-free: approx. 2 hrs	dry-to-handle: approx. 4 hrs Max. recoat time: approx. 4 hrs	Load-bearing: approx. 5 days
Forced drying	Flashing off: approx. 30 min	Drying: approx. 60 min at 60°C or approx. 30 min at 80°C		
Dry coating thickness	40 – 80 µm			

Consumption	Theoretical: 190 g/m <sup>2</sup> with 60 µm dry film Practical: 280 g/m <sup>2</sup>
EU-Directive 2004/42/EG	This product does not meet the VOC limit values of Directive 2004/42/EG, and must not be used in corresponding applications.
Processing temperature	Not less than +10°C; in order to prevent the build-up of condensation during coating, the surface temperature must be at least 3°C above the dew point.
Cleaning of equipment	Immediately after use with universal thinner 5119 (art. 10516).
Special notes	DIN EN ISO 12944 is a binding requirement as regards anticorrosion protection.

**Recommended method**

Substrate	Steel, aluminium, zinc
Pre-treatment	The substrate must be clean, dry, and free from grease, oil and dust. Welded locations must be thoroughly cleaned and any weld scale removed. Thoroughly degrease, abrade, as required and media blast to Sa 2½, according to ISO 8501 resp. DIN 55 928, sweep, phosphatize, chromatize.  The primer is also suitable for manually de-rusted steel. Rust is porous and adheres very well. Therefore, it is mandatory also for this mechanical pre-treatment to obtain a high level of cleanliness. A minimum layer thickness of 80 µm is required.
Intermediate layer	– POLYAMOL Eisenglimmer
Topcoats	– KABEDUR Topcoats, POLYAMOL Topcoats (interior only)

**Technical details**

Density	Approx. 1.65 – 1.75 g/cm <sup>3</sup>
Solids	Approx. 75 – 77% weight    approx. 50 – 52% volume
Flashpoint	POLYAMOL Primer Plus    > 21°C EP curing agent 3000    > 21°C

**Safety data**

Safety measures	Refer to the indications on the labels and safety data sheets. The requirements of the SUVA, the Council for accident prevention, have to be respected. Contains flammable solvents and must be kept away from sources of ignition.
Waste disposal	Opened containers, residues or expired material can be brought in particular collection points. The legal guidelines DETEC on the list of waste transport (LVA) in Switzerland, and the European Waste Catalogue (EWC), must be observed.
KABE Recycling	Empty containers and old paints can be returned to KABE in Gossau. Ask for our detailed information brochures.
General information	The information in this data sheet on the properties and application of the products mentioned is given to the best of our knowledge based on our development work and practical experience. Due to the versatility of the application possibilities, it is not possible to present all details. In case of doubt, our application engineers are available for information. In all other respects, the general conditions of sale and delivery apply. This leaflet is revised periodically. In case of doubt, our sales department will inform you about the validity of this document.

