

# SYNTOPRIMER

Data Sheet 941 / Version 18 / 04.2024

## General description

Product	SYNTOPRIMER is a universal 1K primer for various metals. It is characterized by high efficiency, very good corrosion protection and universal overcoatability – even with 2K PU coatings – from. In addition, the primer can withstand a thermal stress of 60 minutes to 230 ° C.	
Resin	Modified alkyd resin	
Pigmentation	Zincphosphate, organic and inorganic pigments	
Usage	Metal construction, plant construction, machine construction, industrial paint plants	
Properties	<ul style="list-style-type: none"><li>– Very quick drying</li><li>– Low solvent content</li><li>– Many recoating options</li><li>– Exceptional corrosion protection</li><li>– High solid content</li><li>– Heat resistant</li></ul>	
Degree of gloss	Matt	
Colors shade	<ul style="list-style-type: none"><li>– Oxid-red ca. RAL 3009c (art. 11007)</li><li>– Gray ca. RAL 7030c (art. 13183)</li><li>– Lightgrey ca. RAL 7035c (art. 13184)</li><li>– Black ca. RAL 9005c (art. 11006)</li><li>– White ca. RAL 9016c (art. 11005)</li><li>– other colours on request (art. 10866)</li></ul>	
Storage	Store in a cool, dry location in well sealed containers. Pay attention to “Use by” date on label.	

## Processing notes

Thinning	10 – 30% KH thinner 501 (art. 10514). Apply with paintbrush or roll 5 – 10% paint retarder 2007 (art. 10845)	
	For ESTA application it is absolutely necessary to use ESTA thinner 3610 (art. 13610).	
	The use of other thinners may lead to impaired results and reduced quality.	
Application	Conventional spraying, Airmix, Airless, ESTA, apply with paintbrush or roll	
Air - drying	Touch-dry: approx. 20 min Recoatable: approx. 2 hrs	Tack-free: approx. 40 min Load-bearing: approx. 3 days Dry-to-handle: approx. 1 hrs
Forced drying	Flashing off: approx. 20 min Drying: approx. 45 min at 60°C or 30 min at 80°C	
Dry coating thickness	40 - 80 µm	
Consumption	Theoretical: approx. 180 g/m2 with 60 µm dry film Practical: approx. 235 g/m2	
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 +5°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, zinc, aluminium

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, irradiate to Sa 2.5 according to ISO 8501-1, sweep, phosphatize, chromitize.

Primers

- SYNTOVERN
- REORAPID
- REOSYN
- KABEDUR Decklacke
- POLYAMOL Decklacke (only interior)

**Technical details**

Density

Approx. 1.30 – 1.50 g/cm<sup>3</sup>

Solids

Approx. 66 - 68% weight    Approx. 44 - 48% volume

Flashpoint

SYNTOPRIMER    > 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 on this technical data sheet relative to the properties and application of the product concerned are made on hand of our knowledge, development and practical experience. Because of the multiple possible applications, it is impossible for us to present them all in detail. Our technical consultants are at your disposal for any question you might have. Furthermore, our general sales and delivery conditions apply.

This technical data sheet is revised periodically. If necessary, our sales department will confirm the validity of this document.