

PRODUCT DATA SHEET

SikaCor® ZP Primer

2-pack-polyurethane primer

Made in Germany

DESCRIPTION

2-pack polyurethane primer with active corrosion protection pigments and low solvent content. Low solvent content according to Protective Coatings Directive of German Paint Industry Association (VdL-RL 04).

USES

SikaCor® ZP Primer may only be used by experienced professionals.

Durable, fast-curing corrosion protection for steel constructions. Particularly suited for workshop application.

CHARACTERISTICS / ADVANTAGES

- Very fast overcoatable with PU-coatings
- Mostly shock-proof and insensitive to impact
- Fast curing even at low temperatures
- Tough elastic and hard, but non-brittle

APPROVALS / CERTIFICATES

- System with SikaCor® EG-120 and SikaCor® ZP Primer is tested for contact areas of plan pre-strengthened screw connections according to ISO 12944.

PRODUCT INFORMATION

Packaging	SikaCor® ZP Primer	30 kg net.
	Sika® Thinner EG	25 l, 10 l and 3 l
Appearance and colour	Tinted red, sand-yellow, light grey	
Shelf life	Min. 2 years	
Storage conditions	In originally sealed containers in a cool and dry environment.	
Density	~1.5 kg/l	
Solid content	~62 % by volume ~78 % by weight	

TECHNICAL INFORMATION

Mechanical resistance	High resistance against damage in transport and construction.
Chemical resistance	Weathering, water, seawater, de-icing salts, acidic and lye vapours, oils, grease. Short-term exposure to fuels and solvents.
Temperature resistance	Dry heat up to + 120°C, short term up to + 150°C

SYSTEM INFORMATION

System	<u>Steel:</u> 1 x SikaCor® ZP Primer 1 - 2 x SikaCor® ZP-1 1 x two-pack polyurethane top coats from our SikaCor® and Sika® PermaCor® product range
---------------	---

APPLICATION INFORMATION

Mixing ratio		Components A : B	
	<u>By weight</u>	<u>92 : 8</u>	
	<u>By volume</u>	<u>8 : 1</u>	
Thinner	Sika® Thinner EG If necessary max. 3 % Sika® Thinner EG may be added to adapt the viscosity.		
Consumption	Theoretical material-consumption/VOC without loss for medium dry film thickness		
	<u>Dry film thickness</u>	<u>80 µm</u>	
	<u>Wet film thickness</u>	<u>130 µm</u>	
	<u>Consumption</u>	<u>~0.195 kg/m²</u>	
	<u>VOC</u>	<u>~42 g/m²</u>	
Material temperature	Min. + 5°C		
Relative air humidity	Max. 85 %, except the surface temperature is significantly higher than the dew point temperature, it shall be at least 3 K above dew point. The surface must be dry and free from ice.		
Surface temperature	Min. + 5°C		
Pot Life	<u>At + 10°C</u>	<u>~3 h</u>	
	<u>At + 20°C</u>	<u>~2 h</u>	
	<u>At + 30°C</u>	<u>~1 h</u>	
Drying stage 6		Dry film thickness 80 µm	(ISO 9117-5)
	<u>+ 5°C after</u>	<u>4 h</u>	
	<u>+ 10°C after</u>	<u>3.5 h</u>	
	<u>+ 20°C after</u>	<u>3 h</u>	
	<u>+ 30°C after</u>	<u>1.5 h</u>	
Waiting time to overcoating	<u>Between SikaCor® ZP Primer and PU-top coats:</u>		
	Min. 3 h at + 20°C		
	Max. unlimited		
	<u>Between SikaCor® ZP Primer and EP-top coats:</u>		
Min. 12 h at + 20°C			
Max. unlimited			
Drying time	Final drying time Depending on layer thickness and temperature final hardness is achieved within several days.		

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other

safety-related data.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Steel:

Blast-cleaning to Sa 2 ½ according to ISO 12944-4. Free from dirt, oil and grease. For contaminated and weathered surfaces we recommend to clean with SikaCor® Wash.

MIXING

Stir component A very thoroughly using an electric mixer (start slowly, then increase up to approx. 300 rpm). Add component B carefully and mix both components very thoroughly (including sides and bottom of the container). Mix for at least 3 minutes until a homogeneous mixture is achieved. Fill mixed material into clean container and mix again shortly as described above. During mixing and handling of the materials always wear protective goggles, suitable gloves and other protective clothings.

APPLICATION

The method of application has a major effect on achieving uniform thickness and appearance. Spray application will give the best results. The indicated dry film thickness is easily achieved by airless spray. Adding solvents reduces the sag resistance and the dry film thickness. In case of application by roller or brush, additional applications may become necessary to achieve the required coating thickness, depending on type of construction, site conditions, colour shade etc. Prior to major coating operations a test application on site may be useful to ensure the selected application method will provide the requested results.

By brush and roller:

- Apply undiluted

Airless-spraying:

- Pressure min. 180 bar
- Nozzle size 0.38 - 0.53 mm (0.015 - 0.021 inch)
- Spraying angle 40° - 80°

CLEANING OF EQUIPMENT

Sika® Thinner EG

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Deutschland GmbH

Industrial Coatings
Rieter Tal
D-71665 Vaihingen / Enz
Phone: +49 (0)7042 109-0
industrial-coatings@de.sika.com
www.sika.de



PRODUCT DATA SHEET

SikaCor® ZP Primer
February 2022, Version 05.02
020602000010000001

SikaCorZPPrimer-en-DE-(02-2022)-5-2.pdf