



PRODUCT DATA SHEET

SikaCor® ZP Primer

2-component polyurethane primer

PRODUCT DESCRIPTION

SikaCor® ZP Primer is a 2-component polyurethane primer formulated with active corrosion protection pigments and low solvent content and designed for steel protection in marine applications.

WHERE TO USE

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

Important: SikaCor® ZP Primer is only intended for marine applications and has no documentation authorizing its use in any other industry in Canada.

- Durable, fast-curing corrosion protection for steel elements in marine applications
- Particularly suited for Sikafloor® Marine applications

CHARACTERISTICS / ADVANTAGES

- Very quickly overcoatable with PU-coatings
- Mostly shock-proof and insensitive to impact
- Fast-curing even at low temperatures
- Tough elastic and hard, but non-brittle
- Low solvent content according to Protective Coatings Directive of German Paint Industry Association (VdL-RL 04).

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none">▪ Comp. A: 11.5 kg pail▪ Comp. B: 1 kg pail▪ Comp. A + B: 12.5 kg (net)
Appearance / Colour	Tinted red
Shelf Life	2 years
Storage Conditions	Store in original, 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 applications
Chemical Resistance	Weathering, water, seawater, de-icing salts, acidic and lye vapours, oils, grease. Short-term exposure to fuels and solvents. Contact Sika Canada for additional information.
Temperature Resistance	Dry heat: up to +120 °C / short term: up to +150 °C

APPLICATION INFORMATION

Mixing Ratio	Components A : B	
	By weight	92 : 8
	By volume	8 : 1
Consumption	Theoretical material-consumption/VOC without loss for medium dry film thickness	
	Dry film thickness	80 µm
	Wet film thickness	130 µm
	Consumption	~0.195 kg/m ²
	VOC	~42.6 g/m ²
Product Temperature	Minimum: +5 °C	
Relative Air Humidity	Maximum: 85 % (except the surface temperature is significantly higher than the dew point temperature, it shall be at least 3 degrees Celsius above dew point)	
Pot Life	At +10 °C	~3 h
	At +20 °C	~2 h
	At +30 °C	~1 h
Waiting Time / Overcoating	<u>Between SikaCor® ZP Primer and PU-topcoats:</u>	
	<ul style="list-style-type: none"> ▪ Minimum: 3 h at +20 °C ▪ Maximum: unlimited 	
	<u>Between SikaCor® ZP Primer and EP-topcoats:</u>	
	<ul style="list-style-type: none"> ▪ Minimum: 12 h at +20 °C ▪ Maximum: unlimited 	
Thinner	If necessary, Sika® Thinner EG may be used and added up to 3 % maxi. to adapt the viscosity.	
Drying time	Final drying time will depend on layer thickness and temperature. Final hardness is achieved within several days.	
Drying Stage 6	Dry film thickness 80 µm	(ISO 9117-5)
	+5 °C after	4 h
	+10 °C after	3 h 30 min
	+20 °C after	3 h
	+30 °C after	1 h 30 min
Surface Temperature	Minimum: +5 °C	

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test

methods.

LIMITATIONS

- SikaCor® ZP Primer is only intended for Marine applications and has no documentation authorizing its

use in any other industry in Canada.

ENVIRONMENT, HEALTH & 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

SUBSTRATE QUALITY

Surfaces must be clean, dry and free from grease, oil, dust and ice.

MIXING

Stir component A very thoroughly using an electric mixer (start slowly, then increase mixing speed 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 three (3) minutes until a homogeneous mixture is achieved. Fill mixed material into clean container and mix again shortly as described above.

APPLICATION

Prior to major coating operations a test application on site may be useful to ensure the selected application method will provide the requested results.

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.

By brush and roller:

- Apply SikaCor® ZP Primer undiluted

Airless-spraying:

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

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CLEAN UP

Clean all tools and equipment immediately after use with Sika® Thinner EG. Once hardened, material can only be removed mechanically.

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 exact product data and uses.

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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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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