

PRODUCT DATA SHEET

SikaCor® A-450 P

FAST CURING MODIFIED ALKYD PRIMER/SEALER

DESCRIPTION

SikaCor® A-450P is general purpose alkyd anti-corrosion primer with excellent adhesion with substrates and wide compatibility with subsequent coating.

USES

- Suitable for use on superstructures and on steel surfaces not normally exposed to water immersion
- Primer for engine room, accommodation inside and outfittings of marine vessels

CHARACTERISTICS / ADVANTAGES

- Fast curing even at low temperature
- Compatibility / to be recoated with conventional paint systems
- Excellent workability
- Excellent water resistance / corrosion resistance
- * Should not be used over zinc primers, except when exposed to dry interior conditions

PRODUCT INFORMATION

Packaging	SikaCor® A-450P 18L
Appearance / Colour	Egg shell / Grey, Redbrown or colors on specific requests
Shelf life	12 Months
Storage conditions	▪ Store in original, unopened and undamaged sealed packaging in dry conditions at temperature between 5°C and 35°C. ▪ Store cool and dry place avoiding direct exposure to sunlight. ▪ Exposure to higher temperatures will reduce shelf life.
Density	Approx 1.4 g/cm ³
Flash Point	38°C
Solid content	45 ± 2 % by Volume
Systems	Recommended dry film thickness : 35 - 75 microns per coat <u>Alkyd Coating System 1</u> ▪ 1st : SikaCor® A-450P : 50 microns ▪ 2nd : SikaCor® A-460T : 50 microns <u>Alkyd Coating System 2</u> ▪ 1st : SikaCor® A-450P : 50 microns ▪ 2nd : SikaCor® A-500T : 50 microns

APPLICATION INFORMATION

Thinner	SikaCor® A Thinner ▪ Use max 10% of Thinner by volume ▪ Too much thinning results in reduced sag-resistance
Consumption	Theoretical spreading rate : 9.0 m ² /Liter (50 microns of dry film thickness)
Drying time	Touch dry at least 3 hours 5°C, 2 hours at 20°C

APPLICATION INSTRUCTIONS

- Stir well before use
- The temperature of the paint should preferably be above 15°C, otherwise extra thinner may be required to obtain application viscosity.
- Too much thinning results in reduced sag-resistance
- Adequate ventilation must be maintained during application and curing

EQUIPMENT

Airless spray

Recommended thinner	: Thinner No.7
Volume of thinner	: 0~5%
Nozzle orifice	: Approx. 0.45mm
Nozzle pressure	: 12-15 MPa

Air spray

Recommended thinner	: Thinner No.7
Volume of thinner	: 5~10%
Nozzle orifice	: 1.8~2.0 mm
Nozzle pressure	: 0.3~0.4 MPa

Brush/Roller : Volume of thinner : 0~3%

SUBSTRATE PREPARATION

- Steel; blast cleaned to ISO-Sa2.5
- Steel; power tool cleaned to min ISO-St2
- Shop primed steel; sweep blasted or power tool cleaned to SPSS-Ss or SPSS-Pt2
- Previous coat; dry and free from any contamination
- Substrates temperature should be at least 3 above dew point but not above 50°C

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

DIRECTIVE 2004/42/CE LIMITATION OF EMISSIONS OF VOC

Approx. 450 g/L

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.

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