

# Data sheet



# ROKOSIL AKRYL RK 300

## Characteristics:

"Self-priming" anticorrosive quick-drying primer based on acrylic resin in organic solvents with anticorrosive zinc phosphate pigment and additives. Without any heavy metal – environmentally friendly.

## Application:

Rokosil akryl RK 300 is ideal for self-priming coating of steel products, as containers, pallets, steel structures etc., galvanized surfaces, tin roofs etc.

## Technical data:

### Dry film properties

Shade	ČSN or RAL shades – as agreed
Gloss degree	2-3
Coverage level	1-2
Crosshatch:	GT 1 according to ČSN ISO 2409
Erichsen cupping test	min. 7,2 mm (CSN EN ISO 1520)
Hardness	30 % -after 10 days (ČSN 673076)
Resistance in the condensation chamber	240 hod.(ČSN EN ISO 6270)

### Wet paint properties

Viscosity delivered	thixotropic liquid (F4/20°C acc.to ČSN 673013)
Total solids	min. 68 % -by weight
Volume shrinkage	50 %
TOC content	245 gC/1 kg (331g/lit.)
VOC content	318 g / kg (429 g/lit.)
TOC content in 1 µm.d.c.t.	0,89 gC/mikr.d.c.t/m <sup>2</sup>
TOC content in 80 µm.d.c.t.	71 gC/m <sup>2</sup>
Density	1.35 g/cm <sup>3</sup> (acc. to shade)
Recommended thickness	40-80 µm
Spreading rate	4,6 m <sup>2</sup> /kg (at 80 µm)
Inflammation point	>23 °C – inflammable matter, class II
Shelf life	12 months in closed can at +5 up to +30 °C

## Drying:

Dust-free - degree 1	max. 25 min. (at 20 °C)
Dry to handle - degree 4	max. 1 h (can be additionally dried at 60-80 °C for ca 20 min)

## Packing:

20 kg cans, customers' receivers

## Application & recommended viscosity:

Brushing, roller coating	50-60 s (F4/20°C acc.to ČSN 673013)
H.P. spraying (VYZA 4)	60-80 s (nozzle 0.3 mm, pressure 90-150 atm)
L.P. spraying (gun with vessel)	40-50 s (nozzle 1.5-1.8 mm, pressure 3-4 atm)

## Thinning:

Roko C 6000 (spraying)  
Rokopur Thinner RK 010 (brushing)

## Standard paint application steel structure:

- primary surface treatment – cleaning, degreasing, if necessary blasting-cleanliness Sa 2,5 (accord.ISO 8501-1)  
- 1-2x crosswise coating with Rokosil akryl RK 300 (optimum thickness of one paint coat: 80 µm) interval for the next painting application approx. 24 hours, (depending on the temperature and humidity)

Optimum application temperature for spraying application of dry thickness 80µm is 20 °C. By spraying application of thicker layer and at lower temperatures extending the period of hardening.

Spraying application of metallic colors (for example RAL 9006, 9007) must follow the same application conditions (thickness, dilution, pressure, type of nozzle, etc.). Any deviation from the standard application method causes a change and appearance of color shade.

Application by roller painting, or by brushing is not suitable for these color shades.

-when applied to the new galvanized non - oxidised steel - it is necessary apply the first layer in a very thin thickness (around 8-15 µm) (the first very thin layer reacts with the residues of zinc after galvanisation procedure) and after application of the very thin layer after about 15-20 min. it is possible to apply next full layer. In the event that the above mentioned process will not follow, it is possible bubbles or other defects.

Sheet 1 (total 2)	Rokospol a.s., závod Kaňovice č. 101, 76341, tel. – 577 110 132-3, fax – 577 110 136, e-mail:rokospol@rokospol.cz, http://www.rokospol.cz	Update: FB 7.10.2016/ 13.10.2016
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- in case you will recoat with paint Rokosil Akryl RK 300 old unknown coatings - manufacturer is not liable for possible defects after repainting (e.g. crawlin defect, etc.).

**Notice:**

Due to the large amount of color shades produced, above mentioned technical values are stated as an average of color shades of paint. All data presented in this data sheet are of a recommending nature only. They are based on our best knowledge as well as on a thorough research in accordance with the up-to-date state of technology. These data cannot be interpreted as legal binding. Safety data sheets in accordance with 91/155/EWG on request.

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