

Data sheet



ROKOPRIM CONTAINER RK 103

Characteristics:

An anticorrosive quick-drying primer based on alkyd resins in organic solvents with zinc phosphate pigments and additives. The paint does not contain any heavy metals, thus being environmentally friendly.

Application:

Ideal for thick anticorrosive priming of steel constructions, when followed by alkyd-based, oil, nitrocellulose and polyurethane topcoat. Application example includes coating of containers; can be applied in a single layer of up to 300 µm layer (wet thickness). Available in adjusting ESTA.

Technical data:

Dry film properties

Shade	0118 – light-grey, 0840 – reddish brown (by agreement)
Gloss degree	flat
Hiding power	1 – 2 (ČSN 673065)
Crosshatch:	GT 0-1 according to ČSN ISO 2409
Erichsen cupping test	min. 5 (ČSN EN ISO 1520)
Resistance in condensation chamber	260 h (ČSN EN ISO 6270)

Wet paint properties

Viscosity delivered	thixotropic (F4/20°C dle ČSN 673013)
Total solids	min. 62 % -by weight
Density	1.35 g/cm ³ (acc. to shade)
Volume shrinkage	48 %

TOC content	362,3 gC/1 kg
VOC content	397,8 g / kg
TOC content in 1 µm.d.c..t.	1.01 gC/µm.d.c.t/m ²
TOC content in 40 µm.d.c..t.	40,4 gC/m ²
Recommended thickness	40-80 µm dry coat thickness
Spreading rate	8.8 m ² /kg (at 40 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	10 min (at 20 °C) (ČSN 673052)
Tack-free - degree 2	20 min
Dry to handle - degree 4	2 h

Recoat ability:

1 h (alkyd-based, oil-based)
8 h (nitrocellulose-based, PUR-based)
(when recoating with PUR enamels, a proof coat is to be made; if applied in thick layers, longer setting times must be taken into account)

Packing:

23 kg cans, 200 kg barrels

Application & recommended viscosity:

Brushing, roller coating	50-60 s (F4/20°C dle ČSN 673013)
L.P. spraying (gun with vessel)	25-40 s (nozzle 1.5-1.8 mm, pressure 3-4 atm)
H.P. spraying (VYZA 4)	40-80 s (nozzle 0.3 mm, pressure 90-150 atm)

Thinning:

S 6001- in summer season, C 6000- in winter season (recommended amount for H.P.spraying ca.5%)

Standard paint application steel structure:

- primary surface treatment – cleaning, degreasing, if necessary blasting-cleanliness Sa 2,5 (accord.ISO 8501-1)
- 1-2x crosswise priming coat with Rokoprimer Container RK 103 (optimum one paint coat thickness: 40-80 µm)
- 1-2x alkyd-based Rokoemail S 2029 top enamel or Rokopur email RK 400- polyurethane enamel(thickness approx. 40 µm)

Notice:

Due to the large amount of colour shades available, the above mentioned technical values are stated as an average of paint colour shades of only. All the data represented in this data sheet are of recommending nature only. It is based on our best knowledge, as well as on thorough research in accordance with up-to-date state of technology. This data cannot be interpreted as legally binding.
Safety data sheets in accordance with 91/155/EWG on request.

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