

Data sheet



ROKOPUR EMAIL RK 400

Characteristics:

A dispersion of pigments and extenders in a solution of special polyurethane resins in organic solvents with additives.

Field of application:

PUR enamel Rokopur Email RK 400 - is ideal for top coating of metals, concrete, brickwork, wood as well as plastics. Due to its qualities such as high resistance to weathering, abrasion, yellowing, chalking and chemicals, this is the very appropriate coat for really challenging structures.

Technical data:

Properties of dry film:

Shade	acc. to customer's request, (RAL, ČSN, per a color sample)
Gloss degree	gloss
Coverage level	1-2
Erichsen cupping test	min. 7 mm (CSN EN ISO 1520)
Buchholz hardness	96 s (CSN ISO 1522)
Paint without cure (A) :	
Viscosity delivered	80-120 s (F4/20°C acc.to ČSN 673013)
Total solids	62 % -by weight (always acc. to shade)
Density	1.22 g/cm ³
Inflammation point	>23 °C
Shelf life	12 months in closed can at +5 up to +30 °C

Paint with cure (A+B):

Total solids	approx. 64 % -by weight (always acc. to shade)
Volume shrinkage	41,3%
Density	1,19 g/cm ³
TOC content	274 gC/1 kg
VOC content	344 g / kg
TOC content in 1 µm.d.c..t.	0,79 gC/m ²
TOC content in 50 µm.d.c..t.	39,5 gC/m ²
Spreading rate	approx. 6,9 m ² /kg (at 50 µm dry coat thickness)

Application:

With spray gun, by airless spray coating, by paint brush, or by roller. During application of this paint by roller - the foaming is possible, so it is suitable to add antifoam agent to this paint.

The coating temperature should not be lower than +15 °C, the humidity of air should not exceed 70 %.

Hardening

Rokopur Tužidlo hardener RK 500 (6:1 by weight, 4,8:1 volume)

Pot life:

4-6 h at 20 °C

Thinning:

The recommended viscosity (approx. 18 – 30 s (F4/20°C acc.to ČSN 673013) is to be achieved by adding 10-15 % of the Rokopur Ředidlo thinner RK 010.

Cleaning : Rokoředidlo C 6000

Drying:

Air drying:

Degree 1:	in 90 min	at 20 °C
Degree 4:	in 16 h	

Oven drying:

If accelerated drying process (by circulating air) is used, following drying times (the air blasting time of 15 min is to be kept in any case!) can be achieved:

40 min at 80 °C or
30 min at 100 °C.

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 13.10.2014/ 23.12.2014
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Standard paint application steel structure:

primary surface treatment – cleaning, degreasing, or blasting to the surface cleanliness Sa 2.5 (ISO 8501-1)

- 1-2x crosswise priming coat with Rokoprim EP S 2300 (optimum coat thickness: 40-80 µm in 1 layer, recoating interval has to be 24 hod.)
- 2x top coat with Rokopur email RK 400 (2x50 µm, recoating interval has to be min. 4-6 h)

Note:

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.

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. In addition to that, see our Terms of trade.

Safety data sheets in accordance with 91/155/EWG on request.

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