

Data sheet



ROKOEMAIL S 2029 THIX

Characteristics:

A dispersion of an inorganic and organic pigments and fillers in a solution of a special alkyd resins in an organic alyphatic solvents with additives .

Application:

Rokoemail S 2029 is a highly valuable quick-drying topcoat with increased thixotropy and a high level of gloss. The combination of these factors makes it the best and most popular option for two-coat synthetic paint systems. It dries very quickly and its high thixotropy makes it suitable even for very uneven surfaces. A wet film as thick as 175 µm can be applied in one spraying. It is a special alkyd resin paint with both inorganic and organic pigments. The paint is used for surface finishing of machinery and related equipment, steel structures, containers, construction machinery, transportation equipment, etc.

Technical data:

Dry film properties :

Color Shade	ČSN, RAL – according to pattern
Gloss degree	1-2
Coverage level	1-2
Erichsen cupping test	4 – 6 mm according to CSN EN ISO 1520
High-temperature stability	up to 120 °C

Wet film properties :

Viscosity delivered	min. 90 s (F4 mm acc to CSN673013) – according to shade
Solids by weight	55 – 60 % – according to shade
Solids by volume	38%
Density	1.2g/cm ³ (always according to shade)
Theoretical Spreading rate	10,5 m ² /kg (at 30 µm dry coat thickness)
TOC content	311 gC/1 kg
VOC content	396 g / kg
TOC content in 1 micron.d.c.t.	0,984 gC/mikr.d.c.t/m ²
TOC content in 30 microns.d.c.t.	29,5 gC/m ²

Inflammation point	> 23 °C
Shelf life	12 months in closed can at +5 up to +30 °C
Packaging:	cans 10, 20, drums 200 kg (or acc. to agreement)

Drying:

Air drying:	
Dust-free - degree 1	max. 30 min
Dry to handle - degree 4	max. 6 h at 20 °C

Application & recommended viscosity:

Brushing, roller coating	60-80 s (4 mm/20 °C DIN 53211)
L.P. spraying (gun with vessel)	23-35 s (nozzle 1.5-1.8 mm, pressure 3-4 atm)
H.P. spraying (VYZA 4)	60-80 s (nozzle 0.3 mm, pressure 90-150 atm)
Dipping	18-25 s

Thinning:

Roko Thinner S 6001 – recommended thinning for Airless application - approx 5 %
(in winter C 6000 applicable)

Standard paint application steel container:

- primary surface treatment – cleaning, degreasing, (if necessary) blasting
- 1-2x crosswise priming coat with Rokoprim Container RK 103 (optimum thickness of one paint coat: 50-60 µm)
- 1- 2x Rokoemail S 2029-Thix top coat (30 µm – 40 µm of one dry coat thickness ,)

sheet 1 (total 2)	Rokospol a.s., factory Kaňovice č. 101, 76341, tel. – 577 110 132-3, fax – 577 110 136, e-mail:rokospol@rokospol.cz, http://www.rokospol.cz	Aktualizace: FB 09.06.2015/ FB 09.06.2015
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Recommended conditions during the application :

-the optimum temperature of the environment should be 20 °C, the real humidity max. 75 %, and the temperature of the surface min. 3 °C above the dew point or higher

-the paint application can be applied during lower or higher temperatures, however you have to discuss with the ROKO technician

-the individual layers of the topcoat Rokoemail S 2029 can be oversprayed with the technique „wet to wet“ after approx 20-45 min., at the dry coat thickness 30-40 µm of one layer.

-If the overspraying „wet to wet“ is not used, and the next layer of paint will be applied into the dry , but not into the completely cured first layer, it is possible that will follow the issue of“ puckering“ of the paint after its drying. The overcoating interval without this issue can not be exactly provided, as depends on the lots of factors –especially coat thickness, type of application,diluting and weather conditions.

- from the years of experience- it should be the overcoating of the top coat after 3-5 days in this issue.(after completely curing of the topcoat), depends on the conditions.

-in double layer spray of paint Rokoemail S 2029 Thix realized in a short time interval, it is also necessary not to exceed the total dry thickness of both layers. This should not be higher than 80 µm. Too much thickness of the layer significantly slows drying and hardening inside the film.

. You have to discuss with the ROKO technicians if you have any questions.

Spraying application of metallic colours (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 colour shade. Application by roller, or by brushing is not suitable for these colour shades.

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

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