

Technical Data Sheet

Description:

Self-priming ultra fast-drying alkyd 3in1 for Fe

Usage:

Alkyd primer, interlayer-coating and top-coat (3 in 1) suitable for interior or exterior coatings of steel constructions, pallets, transport and boxes without a priming coat. Because of the fast-drying it can be used for coatings small rugged substrates and to stack materials. A suitable primer is KG 13, the use of KG 09 and KG 11 is not recommended. It can be applied by airless- or airmix-spraying. The second layer of KE 20 can be applied 15 minutes after the first layer.

Substrate:

steel

Colours:

RAL, VIT

Specific gravity: (ČSN EN ISO 2811-1)

1,33 g/cm³

Solids: (ČSN EN ISO 3251)

by weight 67 ± 2 %

by volume 47 ± 2 %

Theoretical spreading rate: (ČSN EN ISO 23811)

undiluted paint			
40 µm DFT	8,8 m ² /kg	12,0 m ² /liter	113,0 g/m ²
80 µm DFT	4,4 m ² /kg	5,9 m ² /liter	226,0 g/m ²

To reach 40 µm DFT apply 85 µm undiluted paint. Practical spreading rate depends on application method and conditions, shape and roughness of the surface.

Drying: (ČSN 673052)

120 µm WFT, temperature 23 ± 2°C, relative humidity 50 ± 5%, outflow time 60s, ISO outflow cup 6 mm	surface dry (grade 1)	to touch (grade 3)	to manipulation (grade 4)
	15 minutes	1 hour	2 hour

Drying and recoatability time strongly depend on wet film thickness, temperature, humidity, ventilation and paint colour. Fully load and measure the coated film after 7 days, laboratory testing after 3 weeks of drying under the above conditions.

Gloss: (ČSN ISO 2813)

Semi-matt 30 GU, angle-wise 60°, outflow time 60s, ISO outflow cup 6 mm

Supply viscosity:

Thixotropic liquid unmeasurable by ISO outflow cup type

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Recommended dilution: (ČSN 673032)

	airless	brush/roller
thinner	KT 02	KT 02
by weight	9 %	5 %
by volume	15 %	8 %

Sagging: (ČSN EN ISO 16862)

temperature 23 ± 2°C, relative humidity 50 ± 5%	
outflow time 60s, ISO outflow cup 6 mm	no sagging 275 µm WFT

Application conditions:

The surface must be dry. The air, surface and paint temperature cannot decrease below +5°C during application and drying. Relative humidity cannot exceed 80%. The surface temperature must be at least 3°C above the dew point.

Surface preparation:

Remove oil, grease, salt and other contamination from the surface with a suitable detergent according to ČSN EN ISO 12944-4.

Steel surfaces: Abrasive blast-cleaning to Sa 2½, alternatively manual or mechanical cleaning to min. St 3 corresponding to ČSN EN ISO 8501-1.

Application method:

Airless spraying, airmix spraying. For airless spraying use the nozzle orifice of Ø 0.013" - 0.017", nozzle pressure: 180 - 200 bar, adjust the angle of application to the shape of the surface. For airmix spraying use the nozzle orifice of 1.5 - 2 mm, nozzle pressure: 3 - 4 bar.

Storage:

in the original unopened packaging at temperatures between +5°C and +25°C.

Packaging in kg:

10; 25

Packaging of base 0100 in kg:

9,8; 24,5

Packaging of base 0000 in kg:

8; 20



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Notes:

DFT - dry film thickness
WFT - wet film thickness

MS - medium dry matter
HS - high dry matter

GU - Gloss Unit
KU - Krebs unit of viscosity

All information given in this technical data sheet are based on our best knowledge, laboratory test results and practical experience to the date specified below. According to the fact that the conditions of the product's use are out of our control, we can only guarantee the product quality itself. As a producer we cannot be responsible for damage arising from the use of the products without following above recommended instructions or for improper purposes. We reserve the right to change above specified information without prior notice. Always request the actual version of the product data sheet. This technical data sheet replaces all previously released. The validity of the data provided here will be terminated automatically after five years.

