



KE 20

Technical Data Sheet

Description:

Self-primig ultra fast-drying alkyd 3in1

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. 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

Specific gravity: (SN EN ISO 2811-1)

1,35 g/cm³

Solids: (SN EN ISO 3251)

by weight 65 ± 2 %

by volume 40 ± 2 %

Theoretical spreading rate: (SN EN ISO 23811)

undiluted paint			
40 µm DFT	7,4 m ² /kg	10,0 m ² /liter	135,0 g/m ²
80 µm DFT	3,7 m ² /kg	4,9 m ² /liter	270,0 g/m ²

To reach 40 µm DFT apply 100 µm undiluted paint. Practical spreading rate depends on application method and conditions, shape and roughness of the surface.

Drying: (SN 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	20 minutes	30 minutes

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: (SN ISO 2813)

Matt 10 GU, angle-wise 60°, outflow time 60s, ISO outflow cup 6 mm

Supply viscosity:

Thixotropic liquid unmeasurable by ISO outflow cup type

Recommended dilution: (SN 673032)

	airless	brush/roller
thinner	KT 01	KT 04
by weight	3 %	4 %
by volume	5 %	6 %

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Sagging: (SN EN ISO 16862)

temperature $23 \pm 2^{\circ}\text{C}$, relative humidity $50 \pm 5\%$	
outflow time 60s, ISO outflow cup 6 mm	no sagging $400 \mu\text{m}$ WFT

Application conditions:

The surface must be dry. The air, surface and paint temperature cannot decrease below $+5^{\circ}\text{C}$ 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 SN EN ISO 12944-4.

Steel surfaces: Abrasive blast-cleaning to Sa 21, alternatively manual or mechanical cleaning to min. St 3 corresponding to SN EN ISO 8501-1.

Application method:

Airless spraying, airmix spraying. For airless spraying use the nozzle orifice of $0.011'' - 0.021''$, nozzle pressure: 120 - 180 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 $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$.

Packaging in kg:

10; 25

Packaging of base 0100 in kg:

9,8; 24,5

Packaging of base 0000 in kg:

8; 20

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.

