



# KG 15

## Technical Data Sheet

### Description:

Urethane-alkyd primer

### Usage:

High-quality fast-drying primer for small and large areas. Suitable for steel constructions, containers, conveyors, production lines, machinery, facilities and wood. The main advantage of this product is the possibility of overcoating with 2K PUR finishing enamels just after one layer of KG 15. It can be applied by a roller, brush or airless- and airmix-spraying. Appropriate finishing coats KD 53, KD 54, S 2013 apply after 25 minutes, PE 33, PE 73 or PE 84 apply not earlier than after 1 hour. For higher hardness, softer surface, faster drying or by use brush/roller apply top coat after 16 hours.

### Substrate:

Steel, wood

### Colours:

RAL 7035

### Specific gravity: (ČSN EN ISO 2811-1)

1,50 g/cm<sup>3</sup>

### Solids: (ČSN EN ISO 3251)

by weight 78 %

by volume 60 %

### Theoretical spreading rate: (ČSN EN ISO 23811)

undiluted paint			
40 µm DFT	10,0 m <sup>2</sup> /kg	14,9 m <sup>2</sup> /liter	100,7 g/m <sup>2</sup>
80 µm DFT	5,0 m <sup>2</sup> /kg	7,5 m <sup>2</sup> /liter	201,3 g/m <sup>2</sup>

To reach 40 µm DFT apply 67 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)
	20 minutes	40 minutes	50 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: (ČSN ISO 2813)

Matt 2 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 01	KT 02
by weight	8 %	10 %
by volume	15 %	17 %

### Sagging: (ČSN EN ISO 16862)

temperature 23 ± 2°C, relative humidity 50 ± 5%	
outflow time 60s, ISO outflow cup 6 mm	no sagging 375 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.

Galvanized substrate: This coating material is not intended for a direct application on this type of surface.

Aluminium substrate: This coating material is not intended for a direct application on this type of surface.

Previously painted surfaces: Remove oil, grease, salt and other contamination from the surface with a suitable detergent, sanding of the surface recommended. Repair all damage to the coating with an anticorrosive primer. Observe the compatibility of preceding and subsequent coats.

Wooden surfaces: The surface must be dry and cleaned of contamination, wax, grease, flaking and incoherent material. Fill cracks and holes with a stopper on wood. Sand all filled and glossy surfaces. Remove the residual dust by vacuum cleaning. In case of increased risks apply an insecticidal and an antifungal agent. As a renovation coating apply one or two layers of paint, as a priming coat of uncoated wood apply two or three layers according to the structure of wood. For reaching the highest quality gently sand the surface with a sandpaper Nr. 240 after every coat.

### Application method:

Airless spraying, airmix spraying, brush or roller.. For airless spraying use the nozzle orifice of Ø 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. For application by brush/roller select appropriate equipment according to the paint type and viscosity.

### Storage:

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

### Shelf life:

48 months



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### Packaging in kg:

15; 30

### 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.

