

KOVÁŘSKÁ BARVA



Technical Data Sheet

Description:

Self-priming acrylic paint 2 in 1

Usage:

Fast-drying primer and top-coat (2 in 1), that adds to substrate attractive rough look with metallic reflection. Suitable for interior or exterior protective and decorative coating bars, gates, doorframes, balcony, furniture, benches, street lamps, steel, galvanized and aluminium construction, plumber parts etc. The main advantage of the acrylic binder is a high colour stability and adhesion on surface. The second layer can be applied 30 minutes after the first layer, for brush/roller is recommended apply the second layer after 16 hours.

Substrate:

Steel, zinc, aluminium

Colours:

VIT 7021

Specific gravity: (ČSN EN ISO 2811-1)

1,48 g/cm³

Solids: (ČSN EN ISO 3251)

by weight 67 %

by volume 45 %

Theoretical spreading rate: (ČSN EN ISO 23811)

undiluted paint			
40 µm DFT	7,5 m ² /kg	11,1 m ² /liter	133,0 g/m ²
80 µm DFT	3,8 m ² /kg	5,6 m ² /liter	266,0 g/m ²

To reach 40 µm DFT apply 89 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	30 minutes	1 hours

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

Thixotropic liquid unmeasurable by ISO outflow cup type

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Recommended dilution: (ČSN 673032)

	airless	brush/roller
thinner	PT 03	PT 03
by weight	not dilute	not dilute
by volume	not dilute	not dilute

Sagging: (ČSN 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 $450 \mu\text{m}$ 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 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 surfaces: For reaching the required roughness use the sweeping method, e.g. using silica sand, alternatively mechanical sanding. At least clean the surface with a suitable detergent. It is recommended to apply a diluted extra first coat on hot galvanized surfaces. While adhering to this procedure, it is not necessary to use a primer.

Aluminium surfaces: For reaching the required roughness use the sweeping method by a non-metallic abrasive, alternatively mechanical sanding. At least clean the surface with an ecological cleaner CL 07.

Previously painted surfaces: If the type of old paint is not known, first check the compatibility test. Clean up the oil and grease with thinner or cleaner CL 07, roughen the surface with a grinder. Apply paint in small area. If the surface is not cracked within 30 minutes, then the coating is completely cured and adherent, the paint can be used for renovation. Treat the corroded places with the recommended primary paint. Observe the compatibility of old and new paints if you are not check the compatibility test.

Application method:

Airmix spraying, brush or roller. For airmix spraying use the nozzle orifice of 1.5 - 2 mm, nozzle pressure: 3 - 4 bar, adjust the angle of application to the shape of the surface. For application by brush/roller select appropriate equipment according to the paint type and viscosity.

Storage:

in the original unopened packaging at temperatures between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$.

Packaging in kg:

0,7; 3,5

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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.

