

BERGOLIN 2K-PUR-DECKLACK 6D850

Series 6D850 · Solvent-borne 2K PUR topcoat with very good mechanical and chemical resistance



01 PRODUCT DESCRIPTION

Bergolin 2K-PUR-Decklack 6D850 is a high-quality solvent-borne two-component polyurethane topcoat with very good resistance to mechanical and chemical stresses as well as excellent colour stability. It offers good weather resistance and forms a durable, decorative and hard-wearing finish on steel as well as zinc/aluminium.

02 PRODUCT PROPERTIES

Binder system	Polyurethane acrylate			
Hardener system	Bergolin PUR Hardener 7D054			
Adjustment thinner	Bergolin Thinner 5D402			
Cleaning thinner	Bergolin Thinner 5D402			
Characteristics	 Mechanically resistant	 Chemically resistant	 Colour-stable	 UV/weather-resistant
Color shade	Various RAL shades (further shades on request)			
Gloss	Matt, satin gloss, glossy			
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.			

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C	Approx. 1.15 g/cm ³ * ¹	Approx. 1.05 g/cm ³	Approx. 1.13 g/cm ³ * ¹
Solid content (wt.-%) · SDS	Approx. 65.7 % * ¹	Approx. 75.0 %	Approx. 66.7 % * ¹
Solid content (vol.-%) · SDS	Approx. 53.9 % * ¹	Approx. 69.8 %	Approx. 56.5 % * ¹
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 55 s (4 mm)	Approx. 37 s (4 mm)	Approx. 70 s (4 mm)

*¹ Depending on colour shade

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03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	Steel, zinc/aluminium (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. Steel: Surface preparation to EN ISO 12944-4; free from weld spatter, pores, overlaps, burrs, grease, oil and dirt. Blast-clean to Sa 2½. Zinc/aluminium: Degrease the surface, chromate or sweep-blast, then prime with EPEX ZP Grund 3E750, oxide red. Pretreatment of other substrates on request.
Mixing ratio	6 : 1 or 5 : 1 by weight (depending on gloss level)
Mixing	Add the hardener component completely to the base component and mix intensively with an electric stirrer for approx. 1 min. Then add the thinner and mix intensively again for approx. 1 min.
Theoretical consumption	Approx. 0.15 kg/m² at 50 µm dry film thickness *1
Application method	 Brush  Roller  Air spraying
Application conditions	 Application temperature +15 °C to +30 °C (above +20 °C accelerated curing)  Relative humidity < 85 %  Dew point Object temperature min. 3 °C above dew point
Pot life*2	Approx. 8 h
DRYING*2	
Dust-dry (TG 1)	Approx. 1 h
Through-dried (TG 7)	Approx. 8 h (at 100 µm wet film thickness) forced approx. 1 h at 80 °C or 30 min at 120 °C
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
Compatible systems	Primer: EPEX ZP Grund 3E750 (oxide red) Further applications on request.

*2 Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.

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**04 NOTE**

This product data sheet supersedes all previously published product data sheets. The information contained herein is based on practical experience under standard conditions and assumes proper storage and processing. Substrates, materials and working conditions may vary. Therefore, no warranty or liability can be derived from the information contained in this document or from verbal consultation. It is the buyer's responsibility to verify the product's suitability for the intended use. Preliminary trials are recommended. The relevant legal regulations, the leaflets of the BG RCI and the accident prevention regulations of the responsible employers' liability insurance association must be observed. In all other respects, our General Terms and Conditions of Sale and Delivery apply.

MODIFIED BY

02.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

02.09.2026 – Stefan Eisenmenger, Product Management