

BERGOLIN AQUA TOPCOAT 6E1500

Series 6E1500 · Waterborne 2K epoxy coating with excellent corrosion protection for car body parts



01 PRODUCT DESCRIPTION

Bergolin Aqua Topcoat 6E1500 is a waterborne two-component epoxy coating providing excellent corrosion protection for car body parts. Its high-performance epoxy resin system ensures strong adhesion, chemical resistance and durability in demanding environments. The coating is suitable for automotive refinishing as well as for manufacturing processes requiring reliable corrosion resistance and environmental compatibility.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin
Hardener system	Bergolin Hardener 7E1500
Adjustment thinner	Demineralised water (if required)
Cleaning thinner	Bergolin Hydro Cleaner 5P420
Characteristics	 Water-borne  Corrosion protection  Chemically resistant  Good adhesion
Color shade	RAL 9005 (further shades on request)
Gloss	Approx. 5–50 GU (60°)
Shelf life	Approx. 6 months in the unopened original container at +4 °C to +40 °C. Protect from frost.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C * ¹	Approx. 1.20–1.35 g/cm ³	Approx. 1.00–1.20 g/cm ³	Approx. 1.23 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 35 g/l	Approx. 0 g/l	Approx. 25 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 55.4 %	Approx. 53.4 %	Approx. 54.9 %
Flow viscosity · DIN EN ISO 2431 · +20 °C * ¹	Approx. 60–80 s (4 mm)	Approx. 25–40 s (4 mm)	Approx. 30–60 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	Sheet steel, clean and free from rust and grease (further substrates on request)
Surface preparation	For series production, iron or zinc phosphating is required. The substrate must be clean and free from rust and grease.
Mixing ratio	100 : 34 by weight 100 : 43 by volume
Mixing	Application via a 2K or 3K mixing unit; the components are mixed in the specified ratio. Adjust with demineralised water if required.
Theoretical consumption	Approx. 135 g/m ² of the mixture at 50 µm dry film thickness
Application method	 Electro-static  Airless  Air spray gun
Application conditions	 Application temperature +4 °C to +40 °C  Relative humidity 60–80 %
Working time	Max. 2 h
DRYING	
Flash-off time	RT approx. 30 min 30 °C approx. 20 min 40 °C approx. 10 min 50 °C approx. 5 min
Handling-firm	RT approx. 180 min 50 °C approx. 60 min 80 °C approx. 20 min
Sandable	From 1 h after oven drying at 80 °C
Mechanically load-bearing	2 h after oven drying at 80 °C 16 h at RT
Chemically load-bearing	7 days after oven drying at 80 °C 10 days at RT
Overcoatable	After oven drying with the 6E1500 series; other media must be tested on site
Compatible systems	The product can be combined with numerous other Bergolin products to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

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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

04.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

04.09.2026 – Stefan Eisenmenger, Product Management