

BERGOLIN TOPCOAT 6D837-Gloss

Series 6D837-Gloss · 2K PU acrylic topcoat for commercial vehicles, façade components and heavily stressed structures



01 PRODUCT DESCRIPTION

Bergolin Topcoat 6D837-Gloss is a high-quality 2K polyurethane-acrylic lacquer for coating commercial vehicles, façade components and heavily stressed structures. It forms a resistant, decorative surface with high water, UV and weather resistance, good chemical and solvent resistance and a scratch-resistant, mechanically durable surface.

02 PRODUCT PROPERTIES

Binder system	Polyurethane-acrylic system
Hardener system	Bergolin Hardener 7D837
Adjustment thinner	Superdur Thinner 5D402 / 5D411
Cleaning thinner	Superdur Thinner 5D402 / 5D411
Characteristics	 Electrostatic application  UV & weather resistant  Chemically resistant  Scratchresistant
Color shade	Various RAL color shades (on request)
Gloss	Satin matt or high gloss
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 * ¹	Approx. 1.09 g/cm ³	Approx. 1.04 g/cm ³	Approx. 1.08 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 429 g/l	Approx. 477 g/l	Approx. 441 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 60.6 %	Approx. 53.9 %	Approx. 58.9 %
Flow viscosity · DIN EN ISO 2431 · +20 °C * ¹	Approx. 90 s (6 mm)	Approx. 7 s (6 mm)	Depending on application method

*¹ The value refers to colorless material and varies depending on color 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, blast-cleaned steel, galvanized steel sheet, aluminium
Surface preparation	Ensure sufficient load-bearing capacity before application. The substrate must be clean and free from grease, oil, scale, electrolytes and other contaminants. Steel: Surface preparation in accordance with EN ISO 12944 (e.g. blast-cleaning or manual/mechanical de-rusting). Zinc / aluminium: Degrease and mechanically roughen or sweep-blast.
Mixing ratio	3 : 1 by weight 2 : 1 by volume
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 coverage	Approx. 7–10 m ² /kg at 50 µm dry film thickness
Film thickness	Approx. 50–60 µm dry film thickness (recommended)
Application method	 Brush  Roller  Spraying

SPRAY CONDITIONS

Parameter	Gravity cup / HVLP
Thinner addition	5–15 %
Spray viscosity (DIN 4 mm / +20 °C)	20–25 s
Recommended spray nozzles	1.2–1.3
Recommended atomizing pressure	2.0–2.5 bar
Material pressure	n/a
Spray passes	1–2

Application conditions	 Application temperature Min. +10 °C  Relative humidity max. 80 %
Working time ^{*2}	Approx. 60 min

DRYING^{*2}

Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
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.

^{*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

26.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

26.08.2026 – Stefan Eisenmenger, Product Management