

BERGOLIN UV TOPCOAT 6U1000

Series 6U1000 · Solvent-free, UV-curing coating for steel substrates with very good adhesion and bending flexibility



01 PRODUCT DESCRIPTION

Bergolin UV Topcoat 6U1000 is a solvent-free, white-pigmented UV-curing coating based on polyurethane acrylate for various steel substrates – particularly where very good adhesion and high bending flexibility are required. Curing takes place within seconds under the UV lamp; immediately afterwards the surface can be overcoated, enabling short cycle times and a continuous process. As the product is free from solvents and has a solid content of approx. 100 %, curing produces virtually no emissions.

02 PRODUCT PROPERTIES

Binder system	Polyurethane acrylate			
Characteristics	 Solvent-free	 Very good adhesion	 Bending-flexible	 Immediately overcoatable
Color shade	White (further shades on request)			
Gloss	Glossy, approx. 70 GU (60°)			
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from frost, moisture and direct light.			
Property	Comp. A	Comp. B	Mixture	
Density · DIN EN ISO 2811-1 · +20 °C	Approx. 1.330 g/cm³	–	–	
VOC content · IE Directive 2010/75/EU	Approx. 0 g/l	–	–	
Solid content (wt.-%) · SDS	Approx. 100 %	–	–	
Viscosity · +20 °C	Approx. 1,500 mPas · ISO 2555 flow time approx. 50–55 s (6 mm) · ISO 2431	–	–	

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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	Various steel substrates, including zinc-/iron-phosphated steel and galvanised steel (further details on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. The substrates must be dry, clean and free from grease, oil and other contaminants.
Application method	    Roller coater, doctor blade Spraying Brush Roller No restrictions with regard to temperature and humidity.
Application conditions	 Application temperature No restriction  Relative humidity No restriction
Working time	Unlimited
Recoating interval (with itself)	Immediately after curing with the UV lamp
UV CURING	
Curing	Under UV lamp
Overcoatable	Immediately after curing

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

09.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

09.09.2026 – Stefan Eisenmenger, Product Management