

BERGOLIN 1K-ALUPROTECT 6T853

Series 6T853 · 1K coil coating for primed and chromated aluminium with high chemical resistance



01 PRODUCT DESCRIPTION

Bergolin 1K-AluProtect 6T853 is a single-component coil coating based on a polyester / amino resin combination for industrial applications. It is applied to primed or chromated aluminium strip with a roller coater and baked in the drying oven – making it suitable for continuous strip coating with short dwell times. The coating offers high resistance to household chemicals and good light fastness.

02 PRODUCT PROPERTIES

Binder system	Polyester / amino resin combination			
Adjustment thinner	Bergolin Thinner 8R0175			
Characteristics	 Single-component	 Single-coat	 Chemically resistant	 Light-fast
Color shade	On request			
Gloss	Satin gloss			
Shelf life	Approx. 6 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. 1.05 g/cm ³	–	–
VOC content · IE Directive 2010/75/EU * ¹	Approx. 414 g/l	–	–
Solid content (wt.-%) · SDS * ¹	Approx. 60 %	–	–
Flow viscosity · DIN EN ISO 2431 · +20 °C * ¹	Approx. 60–80 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	Primed or chromated aluminium (further substrates on request)
Surface preparation	The substrates must be dry, clean and free from oil, dust, scale and other contaminants.
Theoretical consumption	Approx. 7–8 g/m ² dry film thickness
Application method	 Roller coater
Application conditions	 Application temperature +15 °C to +30 °C  Relative humidity 30–75 %
DRYING	
Drying oven	120 °C 180 °C 240 °C
Dwell time	Approx. 60 s

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