



BERGOLIN

Creating Your Coatings

Technical Leaflet

6P1600

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Bergolin 1-Component Topcoat 6P1600, RAL Color

6P1600

DESCRIPTION

Bergolin 1-Component Topcoat 6P1600, RAL Color, is an aqueous, 1-component topcoat for coating rotor blade surfaces with very good resilience to mechanical and chemical demands and outstanding color durability. The application takes place with a roll- and spray application. The material is quick drying.

TYPICAL PROPERTIES

Binding agent base:	Polyacrylate
Density(DIN EN ISO 51757):	1.19 – 1.27 g/cm ³
Delivery viscosity (DIN 2555, 20 °C):	950 – 1250 mPas
Solid body volume %:	approx. 49% (without dilution)
Dilution:	For roll processing with max. 15% water For spray processing with max. 5% water
Color:	RAL 7035, 3020; further colors on request
Gloss degree (DIN 67530):	< 9 E / 60° angle
Theoretical consumption:	approx. 145 g/m ² at 50 µm dry layer thickness with 15% water approx. 130 g/m ² at 50 µm dry layer thickness with 5% water
Combustion point:	See material safety data sheet
VOC content:	See material safety data sheet
Classification:	See material safety data sheet
Shelf life:	12 months in closed, original container at temperatures of + 5 °C up to 35 °C Protect from frost and moisture!



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PROCESSING / Drying

Processing temperature:	$\geq + 5^{\circ}\text{C}$; temperatures above $+ 20^{\circ}\text{C}$ force the reaction and hardening process	
rel. humidity:	20 - 80 %	
Rework interval without intermediate sanding with itself:	min. 1 h at 20°C - 35°C , 30% rel. humidity max. 96 h at 20°C , 30% rel. humidity Both low temperatures and low air humidity slow down drying High temperatures and low humidity accelerate drying.	
Dryness degree 1:	6,5 $^{\circ}\text{C}$, 65% rel. humidity:	approx. 60 minutes at 100 μm wet layer thickness
	21 $^{\circ}\text{C}$, 29% rel. humidity:	approx. 35 minutes at 100 μm wet layer thickness
	40 $^{\circ}\text{C}$, 80% rel. humidity:	approx. 35 minutes at 100 μm wet layer thickness
Dryness degree 7:	6.5 $^{\circ}\text{C}$, 65% rel. humidity:	approx. 220 minutes at 100 μm wet layer thickness
	21 $^{\circ}\text{C}$, 29% rel. humidity:	approx. 120 minutes at 100 μm wet layer thickness
	40 $^{\circ}\text{C}$, 80% rel. humidity:	approx. 210 minutes at 100 μm wet layer thickness
Processing	Rolling, spraying	
Mixing:	Add water to the base component and stir intensively with electric mixer approx. 1 minute.	
Machines	Airmix system, cup gun	
Cleaning:	The devices should first be rinsed thoroughly with water. If necessary, it can be finally cleaned with Superdur Thinner 5D402.	



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NOTES

With this product data sheet, all previously published product data sheets lose their validity. Based on our experience, our product data sheets provide information to the best of our knowledge and serve the user's technical support. The information contained herein is based on experience under standard conditions and assuming proper storage and processing of the product. Substrates, materials, and working conditions may differ. Therefore, neither a guarantee of the results of work nor liability can be justified on whatever legal grounds on the basis of the information contained in this document or on the basis of a verbal consultation. Our technical product leaflets cannot and should not represent any guarantee of characteristics in the legal sense. Furthermore, our product data sheets do not constitute a contractual legal relationship and do not represent the contractually agreed quality of our products. A guarantee of certain properties/quality characteristics or the suitability of the product for a specific application cannot be derived from our information. The information contained herein is not binding and we assume no liability for its completeness, correctness or accuracy. This exclusion of liability does not apply to claims under the Product Liability Act, claims due to malicious, intentional or grossly negligent behavior of the contractual partners, claims arising from liability for guaranteed characteristics of the quality as well as damages from injury to life, body or health. Our general terms and conditions for sales and delivery also apply.

Our products are made exclusively for the professional industrial user who has appropriate expertise in handling and using chemical/technical surface finish products. In individual cases, the application and processing of our products requires individual coordination of the coating structure or the working process due the differing surfaces and occurring stresses. The purchaser is responsible for the examination of the product for the intended application. Preliminary tests are recommended. When applying our products, the relevant statutory regulations (in particular regulations governing hazardous substances), leaflets issued by the German Trade Association for Raw Materials and Chemical Industry (BG RCI) and the accident prevention regulations of the relevant professional association must be observed. Further details can be found in the respective safety data sheets. Processing should only be carried out under consideration of current safety regulations in the relevant country/state. We reserve the right to adapt the content of our product data sheets without prior notice to the state of the art and to supplement, update or change without prior notice and without obligation.

We would be pleased to support you with queries and further information.

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