

**BERGOLIN**

Creating Your Coatings

Technical Data Sheet**6D974-R-colour**

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Bergolin GmbH & Co. KG

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www.bergolin.de · info@bergolin.de**Bergopur-Aqua-Decklack 6D974-R, RAL colour****6D974-R-colour****DESCRIPTION**

Water-soluble, 2-component polyurethane acrylic top coat for coating the rotor blades of wind power plants with very good resistance against mechanical and chemical impacts and excellent colour stability. Fast drying. Particularly suitable for roller application.

TYPICAL PROPERTIES

	Bergopur-Aqua-Decklack 6D974-R, RAL colour (main component)	Bergolin Härter 7D867 (hardener)
Binder basis:	Polyacrylate	Polyisocyanate
Density (DIN EN ISO 51757):	1.30 – 1.40 g/cm ³	1.10 – 1.20 g/cm ³
Delivery viscosity (DIN 2555, 20°C):	950 – 1250 mPas	250 – 350 mPas
Volume solid %:	Approx. 51 % (mixture)	
Mixture ratio by weight:	9 : 1 with Bergolin Härter 7D867	
Dilution:	For roller application, adjust with 7 - 10% of water for 50 - 60 sec. / DIN 4 mm at 20°C.	
Pot life, 20°C:	Approx. 2 h	
Colour:	RAL 7035, 7038, 9016, 3020; further colours on request	
Gloss level (DIN 67530):	<10 E / at an angle of 60°	
Theoretical consumption:	Approx. 140 g/m ² at a dry layer thickness of 50 µm	
Flash point:	See safety data sheet	
VOC content:	See safety data sheet	
Labelling:	See safety data sheet	
Shelf life:	12 months in the original unopened container at storage temperatures between +5°C and +35°C PROTECT AGAINST FROST AND MOISTURE	



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PROCESSING / DRYING

Processing temperature:	$\geq + 15^{\circ}\text{C}$; temperatures above $+ 20^{\circ}\text{C}$ accelerate the reaction and hardening process
Rel. humidity:	20 - 80 %
Degree of dryness 1: (20°C, 30 % rel. humidity)	Approx. 35 minutes at a wet layer thickness of 100 μm (irrespective of the colour shade)
Degree of dryness 2: (20°C, 30 % rel. humidity)	Approx. 60 minutes at a wet layer thickness of 100 μm (irrespective of the colour shade)
Degree of dryness 7: (20°C, 30 % rel. humidity)	Approx. 6-7 hours at a wet layer thickness of 100 μm (depending on the colour)
Recoatibility: (20°C, 65 % rel. humidity)	At least approx. 1 h; max. approx. 48 h at a wet layer thickness of 100 μm
Mixing:	Add the hardener component to the main component and stir intensively by using an electrical stirrer for approx. 1 minute.
Cleaning:	The devices should first be rinsed carefully with water. If required, Superdur-Verdünner 5D402 [thinner] can subsequently be used for cleaning.



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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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