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## 1. Product description

**Bergopur Aqua top coat 6D974-R, color (6D974-R series)** is a water dilutable and quick drying 2 component polyurethane top coat for rotor blades of wind turbines. It has very good resistance to mechanical and chemical stress and excellent color stability. Especially suited for rolling applications.

## 2. General information

<b>Manufacturer</b>	Bergolin GmbH & Co. KG Sachsenring 1 27711 Osterholz-Scharmbeck	<b>Contact</b>	Tel. +49 4795 / 95899-0 Fax: +49 4795 / 95899-290 E-mail: info@bergolin.de Web: www.bergolin.de
<b>Product</b>	Bergopur Aqua Topcoat 6D974-R, color	<b>Series</b>	6D974-R
<b>Approvals and specifications</b>	N/A		

## 3. Product features

<b>Binder system</b>	Polyacrylate
<b>Hardener</b>	Bergolin Härter 7D867
<b>Thinner</b>	Max. 10% Water
<b>Cleaning thinner</b>	Water, then Superdur Thinner 5D402 (if required)
<b>Characteristics</b>	Water dilutable Quick drying Very good resistance to mechanical and chemical stress Excellent color stability
<b>Color</b>	RAL 7035 Other colors on request
<b>Gloss</b>	< 10 GU / 60° angle DIN 67530
<b>Shelf life</b>	12 months In the closed original container at temperatures from +5°C to +35°C. Protect from frost and moisture!

Modified by: Heide, Alexander	Released by: Heide, Alexander
Date: 15.01.2024	Date: 15.01.2024


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	A Component	B Component	Mixture
<b>Density</b> DIN EN ISO 2811-1/+20°C	Approx. 1.37 g/cm <sup>3</sup> * <sup>1</sup>	Approx. 1.15 g/cm <sup>3</sup>	Approx. 1.32 g/cm <sup>3</sup> * <sup>1</sup>
<b>VOC content</b> IE Directive 2010/75 / EU	Approx. 65 g/l * <sup>1</sup>	Approx. 0 g/l	Approx. 57 g/l* <sup>1</sup>
<b>Solid body volume percentage:</b> calculated	Approx. 47 % * <sup>1</sup>	Approx. 76 %	Approx. 51 %* <sup>1</sup>
<b>Viscosity</b> DIN EN ISO 2555/ +20°C	Approx. 1,100 mPas	Approx. 300 mPas	N/A
<b>Viscosity</b> DIN 4 mm flow cup / +20°C	N/A	Approx. 55 sec.	Approx. 50 – 60 sec. * <sup>2</sup>

\*<sup>1</sup> depending on color; \*<sup>2</sup> including adjustment dilution.

## 4. Processing

The following information can vary depending on the application. Please get in touch with your direct contact person for more detailed information.

<b>Substrate</b>	GRP Other substrates on request
<b>Substrate pretreatment</b>	Mechanically sand the surface; the surface must be dry and clean before application.
<b>Mixing ratio</b>	9:1 by weight / 7.6:1 by volume * <sup>1</sup>
<b>Mixing</b>	Completely add the hardener component to the base component and stir intensively with an electric stirrer (approx. 1 minutes). Then add the adjustment dilution and stir again intensively for approx. 1 minute.
<b>Theoretical consumption</b>	approx. 130 g/m <sup>2</sup> at 50 µm dry layer thickness * <sup>1</sup>
<b>Application type</b>	 Rolling
<b>Processing conditions</b>	≥ 15°C / 20 to 80% rel. Humidity Temperatures above +20°C accelerate the reaction and hardening process.
<b>Pot life*<sup>2</sup></b>	Approx. 2 hours at +20°C Approx. 1 hour at +30°C
<b>Processing time*<sup>2</sup></b> +20°C	about 1 hour
<b>Overcoating time*<sup>2</sup></b> +20°C, 65% rel. Humidity	Without intermediate sanding with itself min. 1 h / max. 48 h
<b>Drying time*<sup>2</sup></b> +20°C, 30% rel. Humidity	Drying stage 1: approx. 1 h at 100 µm wet film thickness Drying stage 7: approx. 6 h at 100 µm wet film thickness * <sup>1</sup>

\*<sup>1</sup> depending on color; \*<sup>2</sup> Lower temperatures slow drying. Higher temperatures accelerate drying.

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## 5. Note

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.

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