

Bergopur Aqua Topcoat 6D974-thix

Series 6D974-thix · Water-thinnable, thixotropic 2K topcoat for pore rework on wind turbine rotor blades



01 PRODUCT DESCRIPTION

Bergopur Aqua Topcoat 6D974-thix is a water-thinnable, thixotropic two-component topcoat developed specifically for reworking between the first and second topcoat layer. It is used for inspection and the targeted filling of small pores (< 1 mm) on the rotor blades of wind turbines. Thanks to its thixotropic, non-sagging adjustment it can be applied cleanly with a spatula without running. The product is approved by various OEMs.

02 PRODUCT PROPERTIES

Binder system	Polyacrylate
Hardener system	Bergolin Hardener 7D867
Cleaning thinner	Water, then Superdur Thinner 5D402 (if required)
Characteristics	<div>  Waterthinnable  Fastdrying  Mechanically resistant  Colorstable  Thixotropic </div>
Color shade	RAL 7035 (further color shades on request)
Gloss	< 10 GU (60°) · DIN EN ISO 2813
Shelf life	Approx. 12 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. 1.37 g/cm ³	Approx. 1.15 g/cm ³	Approx. 1.32 g/cm ³
VOC content · IE Directive 2010/75/EU *1	Approx. 102 g/l	Approx. 236 g/l	Approx. 118 g/l
Solid content (vol.-%) · SDS *1	Approx. 46 %	Approx. 73 %	Approx. 51 %
Rotational viscosity · DIN EN ISO 2555 · +20 °C	Approx. 8,000 mPas	Approx. 300 mPas	Thixotropic

*1 Depending on color shade

03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	GRP as well as sound underlying coatings (e.g. topcoat, filler, gelcoat, primer); further substrates on request
Surface preparation	<p>The surfaces to be coated must be dry, clean and load-bearing.</p> <p>The substrate must be mechanically sanded; remove all sanding residues completely.</p>
Mixing ratio	9 : 1 by weight 7.6 : 1 by volume

Bergopur Aqua Topcoat 6D974-thix

Series 6D974-thix · Water-thinnable, thixotropic 2K topcoat for pore rework on wind turbine rotor blades



Mixing	Add the hardener completely to the base component and mix intensively with an electric stirrer for approx. 1 min.
Theoretical consumption	Approx. 140 g/m ² at 50 µm dry film thickness
Application method	<div>  Roller </div> <div>  Spatula </div>
Application conditions	<div>  Air temperature from +15 °C </div> <div>  Relative humidity 45–80 % </div>
Pot life	Approx. 2 h at +20 °C approx. 1 h at +30 °C
Working time ^{*2}	Approx. 1 h
Recoating interval (with itself) ^{*2}	Min. 1 h max. 48 h. After the maximum recoating time has elapsed, mechanical surface preparation (e.g. sanding) is required.
DRYING^{*2}	
Dust-dry (TG 1)	Approx. 1 h
Fully dried (TG 7)	Approx. 6 h
Compatible systems	The product can be combined with numerous other products from the Bergolin wind-energy portfolio to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.
^{*2} Values are based on laboratory measurements at +20 °C. Lower temperatures and higher humidity slow down drying; higher temperatures and lower humidity accelerate it.	

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

20.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

20.08.2026 – Stefan Eisenmenger, Product Management