



BERGOLIN

Creating Your Coatings

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Technical Data Sheet 6D973-Colour

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Superplast Topcoat 6D973

6D973-Colour

DESCRIPTION

Superplast Topcoat 6D973 is a solvent-based, 2-component polyurethane coating system for rotor blades of wind power plants with very good resistance against mechanical and chemical stress and excellent colour stability. For spraying or roller coating application, fast drying.

TYPICAL PROPERTIES

Binder basis:	Polyurethane
Density (DIN EN ISO 2811-1/+ 20 °C):	approx. 1.27 - 1.37 g/ml
Rotation viscosity (DIN EN ISO 2555/+ 20 °C):	400 - 800 mPas
Solid:	56 %
Theoretical consumption:	approx. 130 g/m ² /50µm (mixture), dry layer thickness
Mixture ratio:	8 : 1 parts by weight with hardener 7D054
Thinner:	max. 5% Superdur Verdünnung 5D411 for temperatures > 20 °C Superdur Verdünnung 5D402 for temperatures < 20 °C
Pot life at + 20 °C:	approx. 2 h
Colour:	RAL 7035, 3020, 9016; further colours upon request
Gloss level:	< 10 % / 60° angle
Flash point:	See safety data sheet
VOC content:	See safety data sheet
Labelling:	See safety data sheet
Shelf life:	Component A 18 months/component B 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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APPLICATION

Application temperature:	> 10 °C - + 35 °C; temperatures above 20 °C force the reaction and hardening process
Rel. air humidity:	≤ 85 %
Drying (20 °C, 50 % rel. air humidity):	dust dry: approx. 1 h reworkable: min. 1 h, max. 72 h
Mixing:	Add hardener to base and mix thoroughly with mechanical stirrer (approx. 5 min)
Application:	roller, spraying
Cleaning:	cleaning agent 5P1100



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NOTE

This product data sheet supersedes all previously published product data sheets. Based on our experience, our product data sheets are intended to provide information to the best of our knowledge and technical support for the user. The information contained herein is based on experience under standard conditions and subject to proper storage and application of the product. However, bases, materials and working conditions may diverge. Therefore, neither warranty nor any liability, arising out of any legal relationship whatsoever, can be inferred either from the information contained in this report or from any verbal advice. Our technical product data sheets cannot and are not intended to guarantee properties in the legal sense. Moreover, our product data sheets do not represent a contractual legal relationship and do not guarantee the contractually agreed quality of our products. A guarantee of certain properties/characteristics or the suitability of the product for a certain purpose cannot be derived from our information. The information contained herein is therefore non-binding and we assume no liability for its completeness, correctness and accuracy. This exclusion of liability shall not apply to claims under product liability law, claims due to malicious, intentional and grossly negligent conduct on the part of the parties to the contract, claims resulting from the liability for guaranteed qualities, nor shall it apply to any damages arising from injury to life, limb and health. In addition, our general terms and conditions of sale and delivery apply.

Our products are manufactured exclusively for professional industrial users who have appropriate expertise in the handling and use of chemical/technical products for surface design. In individual cases, application and processing of our products requires specific adjustment of the coating structure or the working process due to diverging substrates and occurring stresses. It is the responsibility of the purchaser to check the suitability of the product for the intended purpose and application process. Preliminary tests are recommended. In the application of our products, the relevant legal regulations (in particular regulations on hazardous substances), information sheets of the BG Rohstoffe und Chemische Industrie (German liability insurance for raw materials and the chemicals industry) and the accident prevention regulations of the competent BG must also be observed. For further details, please refer to the appertaining safety data sheet. Application should only take place in compliance with the safety regulations applicable in the respective country/federal state. We reserve the right to adapt the contents of our product data sheets to the state of the art without prior notice and to change and/or supplement them without prior notice and without obligation to update them.

For further information, please contact Bergolin.