

Technical data sheet

ID	3280
Stand	004/07.2024
Page	1 of 3

Steodur-PUR-Spachtel 4D980

1. Product description

Steodur-PUR-Spachtel 4D980 is a solvent free, pigmented, elastic and lightfast 3-component liquid plastic for rotor blades of wind turbines.

2. General information

Manufacturer	Bergolin GmbH & Co. KG Sachsenring 1 27711 Osterholz-Scharmbeck	Kontakt	Tel. +49 4795 / 95899-0 Fax: +49 4795 / 95899-290 E-Mail: info@bergolin.de Web: www.bergolin.de
Product	Steodur-PUR-Spachtel 4D980, RAL color	Serie	4D980
Approvals and specifications	N/A		

3. Product features

Binder system	Polyurethane
Hardener*1	Steodur-PUR-Härter 7D202 / Steodur-PUR-Härter 7D202-SW, Schwarz
Accelerator	Steodur-PUR-Beschleuniger 6D972-0000
Thinner	N/A
Cleaning thinner	5D402
Characteristics	Solvent free Pigmented Elastic Light stable
Color*1	RAL 7035, RAL 7038, RAL 3020 More colors on request
Gloss	Glossy
Shelf life	Component A 12 months / component B 12 months In the closed original container at temperatures from +4°C to +40°C. Protect from frost and moisture!

*1 The RAL colors are only achieved with Steodur-PUR-Härter 7D202


Modified by: Hohnholz, Dieter	Released by: Hohnholz, Dieter
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Technical data sheet Steodur-PUR-Spachtel 4D980	ID	3280
	Stand	004/07.2024
	Page	2 of 3

	A Component	B Component	Mixture
Density DIN EN ISO 2811-1/+20°C	Approx. 1.60 g/cm³	Approx. 1.12 g/cm³	Approx. 1.50 g/cm³
VOC content IE Directive 2010/75 / EU	Approx. 38 g/l	Approx. 0 g/l	Approx. 28 g/l
Solid body weight percentage: acc. MSDS	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity DIN EN ISO 2555/ +20°C	Thixotropic	Approx. 4,500 mPas	Approx. 38,000 mPas

4. Processing

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

Substrate	GRP Other substrates on request		
Substrate pretreatment	Mechanically sand the surface; the surface must be dry and clean before application.		
Mixing ratio	4:1 by weight / 2,8:1 by volume Approx. 500g of the mixture are mixed homogeneously with 7-8g (approx. 1.5%) Steodur-PUR-Beschleuniger 6D972-0000). In case of higher temperatures, the accelerator amount can be reduced, however not below 0.5%, and in case of lower temperatures increased up to a maximum of 2.5%.		
Mixing	Add the hardening component of the main component and stir thoroughly (for approx. 5 minutes) using an electrical stirrer. Then, fill the mixture into a clean container and stir it thoroughly again.		
Theoretical consumption	Approx. 1.5 kg/m² per 1000 µm dry layer thickness		
Application type		Spatula	
Processing conditions	+8°C to +30°C / < 85 % rel. humidity The dew point must be 3°C below the object temperature.		
Pot life*² +20°C	> 8 h without accelerator Approx. 3 Min. after the addition of 1,5% Steodur-PUR-Beschleuniger 6D972-0000		
Processing time*² +20°C	Approx. 3 Min. after the addition of 1,5% Steodur-PUR-Beschleuniger 6D972-0000		
Overcoating time *² +20°C	Min. As soon as the coating is stable for another layer Max.: While the coating is still tacky		
Drying time*² +20°C	Sandable after approx.. 60 minutes with adding 1,5 % Steodur-PUR-Accelerator 6D972-		

*² Lower temperatures slow drying. Higher temperatures accelerate drying.

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ID	3280
Stand	004/07.2024
Page	3 of 3

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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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