

BERGOLIN PUTTY 4E2500

Series 4E2500 · Solvent-free 2K epoxy lightweight filler with low density for GRP surfaces



01 PRODUCT DESCRIPTION

Bergolin Putty 4E2500 is a solvent-free, pigmented, elastic two-component epoxy resin liquid plastic (filler compound) for the rotor blades of wind turbines. It serves to fill and level surfaces and, thanks to its elasticity, permanently retains its properties. Its low density contributes to weight reduction of the component. It can be sanded well and worked to a pore-free finish, thus forming a sound, uniform basis for the subsequent coating build-up.

02 PRODUCT PROPERTIES

Binder system	Epoxy resin			
Hardener system	Bergolin Hardener 7E2500-4			
Cleaning thinner	Bergolin Thinner 5E403			
Characteristics	 Solvent-free	 Low density	 High-build	 Easy application
Color shade	Pale green			
Gloss	Silky gloss			
Shelf life	Approx. 12 months (components A and B) 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	Approx. 0.91 g/cm³	Approx. 0.90 g/cm³	Approx. 0.91 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 0 g/l	Approx. 0 g/l	Approx. 0 g/l
Solid content (wt.-%) · SDS	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity · DIN EN ISO 2555 · +20 °C	Thixotropic	Approx. 62,000 mPas	Approx. 35,000 mPas

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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. gelcoat, primer); further substrates on request
Surface preparation	The surfaces to be coated must be clean, dry, load-bearing and free from contamination (e.g. oil, grease and dust). Release-agent residues must be removed completely. The substrate must be mechanically sanded. Use suitable abrasive paper with a grit of 80–120. After sanding, remove all sanding residues completely.
Mixing ratio	100 : 50 by weight 100 : 50 by volume
Mixing	Application with a suitable 2K dosing unit. Before starting, the unit should be volumetrically calibrated (litre check) and any deviations in the mixing ratio corrected. Maximum permissible deviation $\pm 3\%$.
Theoretical consumption	Approx. 0.91 kg/m ² per mm film thickness
Application method	 Spatula
Application conditions	 Application temperature +10 °C to +35 °C  Relative humidity < 85 %  Dew point Object temperature min. 3 °C above dew point
Pot life ^{*1}	Approx. 13 min
Recoating interval (with itself) ^{*1}	As soon as load-bearing for a further layer, while still tacky
DRYING^{*1}	
Sandable	Approx. 5 h
Compatible systems	The product can be combined with numerous other products from the Bergolin wind-power portfolio to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

^{*1} Values are based on laboratory measurements at +20 °C. Lower temperatures slow down curing; higher temperatures accelerate it.

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**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

01.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

01.09.2026 – Stefan Eisenmenger, Product Management