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1. Product Description

BergoLED Speed-Repair Putty 4L1000 is a solvent-free, radiation curable putty. It can be cured in seconds with an appropriate LED UV lamp and then reworked directly afterwards. The product achieves excellent adhesion to epoxy and polyester GRP materials.

2. General Information

Manufacturer	Bergolin GmbH & Co. KG Sachsenring 1 27711 Osterholz-Scharmbeck	Contact	Office +49 4795 / 95899-0 Fax +49 4795 / 95899-290 Email: info@bergolin.de Web: www.bergolin.de
Product	BergoLED Speed-Repair Putty 4L1000	Series	4L1000
Approvals and Specifications	After Arrangement		

3. Product Properties

Binding Agent System	Polyurethanacrylat
Cleaning Agent	5P043
Characteristics	Solvent-free Curing in seconds Direct reworking possible Good resistance to mechanical and chemical stresses Excellent adhesion to different surfaces
Color	Glazed Red
Shelf Life	Approx. 12 months In closed original container at temperatures from +4°C to +40°C. Protect from frost, moisture and direct light!


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	A Component
Density DIN EN ISO 2811-1/+20°C	Approx. 1,09 g/cm ³
VOC content IE guideline 2010/75/EU	Approx. 2,1 g/L
Solid content by weight According to MSDS	Approx. 99,94 %
Viscosity DIN EN ISO 2555/ +20°C	Thixotrope

4. Application

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

Substrates	GRP/CRP; Wood, Steel, Glass, ABS Plastic Other substrates on request
Pretreatment	Grind by hand or mechanically. The substrate must be dry and free of dust, grease and oil before application.
Theoretical Consumption	Approx. 1,09 Kg/m ² / 1000 µm dry layer thickness
Type of Application	 Spatula
Application conditions	No restrictions on temperatures and humidity. The material must be protected from LED radiation sources and direct light (sunlight). Otherwise the reaction may start.
Pot Life	None
Processing Time	Endless
Reworking interval	We recommend a surface preparation like grinding or curing under a peel ply then the surface is activated and it can be coated with itself.
Curing time	Grindable, after illumination, when the red color has completely disappeared.

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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.

Our products are made exclusively for the professional industrial user who has appropriate expertise in handling and using chemical/technical surface finish products. In individual cases, the application and processing of our products requires individual coordination of the coating structure or the working process due to the differing surfaces and occurring stresses. The purchaser is responsible for the examination of the product for the intended application. Preliminary tests are recommended. When applying our products, the relevant statutory regulations (in particular regulations governing hazardous substances), leaflets issued by the German Trade Association for Raw Materials and Chemical Industry (BG RCI) and the accident prevention regulations of the relevant professional association must be observed. Further details can be found in the respective safety data sheets. Processing should only be carried out under consideration of current safety regulations in the relevant country/state. We reserve the right to adapt the content of our product data sheets without prior notice to the state of the art and to supplement, update or change without prior notice and without obligation.

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