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1. Product description

Bergolin Balancing Compound, 2D8000 is a high-quality, solvent-free, two-component polyurethane casting compound specifically developed for cavity filling and static balancing. Its innovative formulation is characterized by exceptionally low exothermic reaction during curing and excellent adhesion to a wide range of substrates. Thanks to its thixotropic properties and extremely low shrinkage, the compound can be easily applied even in complex geometries without flowing or sagging. After curing, it offers high mechanical strength and excellent long-term aging resistance. This makes it ideal for applications requiring precise and permanent filling and mass distribution – such as in electrical engineering, mechanical engineering, or the balancing of GFRP components.

2. General information

Manufacturer	Bergolin GmbH & Co. KG Sachsenring 1 27711 Osterholz-Scharmbeck	Contact	Tel. +49 4795 / 95899-0 Fax: +49 4795 / 95899-290 Email: bergolin@bergolin.de Web: www.bergolin.de
Product	Bergolin Balancing Compound, 2D8000	Series	2D8000
Approvals and specifications	N/A		

3. Product features

Binder system	Polyurethane
Hardener	Pur-Härter 7D810
Thinner	N/A
Cleaning thinner	5D402
Characteristics	Solvent free Low exothermic reaction and low shrinkage Fast curing High mechanically resilient
Color	Beige Other colors on request
Gloss	N/A
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!

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	A Component	B Component	Mixture
Density DIN EN ISO 2811-1/+20°C	Approx. 2,65 g/cm ³	Approx. 1,15 g/cm ³	Approx. 2,17 g/cm ³
VOC content IE Directive 2010/75 / EU	Approx. 51 g/L	Approx. 0 g/L	Approx. 34 g/L
Solid body weight percentage: Acc. MSDS	Approx. 98 %	Approx. 100 %	Approx. 98 %
Viscosity DIN EN ISO 2555 +20°C	Approx. 38.000 mPas	Approx. 1.000	Approx. 6.000 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	Sufficient load-bearing capacity must be ensured before processing.			
Mixing ratio	100:21,7 by weight / 2:1 by volume			
Mixing	2-component system with static mixer 2-chamber cartridge with static mixer Hand processing: Add the hardener component of the mixed stock component and mix thoroughly with an electric mixer. Then repot into a clean container and mix thoroughly again!			
Theoretical consumption	N/A			
Application type		Casting process		
Processing conditions	+15°C to +35°C / < 70% rel. Humidity The dewpoint must be 3°C below the object temperature.			
Processing time* DIN EN ISO 9514	Approx. 15 min			
Time till through cure*	Approx. 2 h			

* The information relates to an ambient temperature of 20°C, deviating ambient conditions can lengthen or shorten the periods.

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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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