# Bergolin Balancing Compound 2D8000

Series 2D8000 · Solvent-free 2K PUR casting compound for potting cavities and static balancing

## 01 PRODUCT DESCRIPTION

**Bergolin Balancing Compound 2D8000** is a high-quality, solvent-free two-component polyurethane casting compound developed specifically for the potting of cavities and for static balancing. The formulation is distinguished by a particularly low exotherm during curing as well as excellent adhesion to a wide variety of substrates. Thanks to its thixotropic adjustment and its extremely low shrinkage behaviour it can be applied easily even in complex geometries without running or sagging, and after curing achieves high mechanical loadability and very good ageing resistance. It is therefore ideally suited for applications requiring precise, durable filling and mass distribution – for example in electrical engineering, mechanical engineering or the balancing of GRP components.

## 02 PRODUCT PROPERTIES

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|---|---|
| **Binder system** | Polyurethane |
| **Hardener system** | Bergolin Hardener 7D8000 |
| **Cleaning thinner** | Superdur Thinner 5D402 |
| **Characteristics** | Solvent-free · Low exotherm · Fast curing · Mechanically loadable · High density |
| **Color shade** | Beige (further color shades on request) |
| **Shelf life** | Approx. 12 months 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** *1 | Approx. 2.65 g/cm³ | Approx. 1.15 g/cm³ | Approx. 2.17 g/cm³ |
| **VOC content · IE Directive 2010/75/EU** *1 | Approx. 51 g/l | Approx. 0 g/l | Approx. 34 g/l |
| **Solid content (wt.-%) · SDS** *1 | Approx. 98 % | Approx. 100 % | Approx. 98 % |
| **Viscosity · DIN EN ISO 2555 · +20 °C** | Approx. 38,000 mPas | Approx. 1,000 mPas | Approx. 6,000 mPas |

*1 *Depending on color shade*

## 03 APPLICATION

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

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| **Substrate** | GRP (further substrates on request) |
| **Surface preparation** | Before processing, sufficient load-bearing capacity must be ensured. |
| **Mixing ratio** | 100 : 21.7 by weight \| 2 : 1 by volume |

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|---|---|
| **Mixing** | Stir both components separately and homogenise if necessary. Pour component B into the container of component A and mix with an electric stirrer for at least 3 min at max. 700 rpm. Transfer into a clean container and mix again thoroughly for approx. 1 min. Alternatively, application via a suitable 2K dosing unit or 2K cartridge with static mixer. Before starting, the unit should be volumetrically calibrated (litre check) and any deviations in the mixing ratio corrected. Maximum permissible deviation ± 3 %. |
| **Application method** | Casting |
| **Application conditions** | **Air temperature** +15 °C to +35 °C<br>**Relative humidity** < 70 %<br>**Dew point** min. 3 °C below object temperature |
| **Working time**[*2] | Approx. 15 min |
| **DRYING**[*2] | |
| **Fully cured** | Approx. 2 h |

[*2] *Values are based on laboratory measurements at +20 °C; deviating ambient conditions may extend or shorten the stated times.*

## 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**
20.08.2026 – Martin Krull, Head of Laboratory

**APPROVED BY**
20.08.2026 – Stefan Eisenmenger, Product Management