

|                               |       |             |
|-------------------------------|-------|-------------|
| Technical data sheet          | ID    | 3561        |
|                               | Stand | 003/04.2024 |
| Bergolin Putty 4D9700-LowTemp | Page  | 1 of 3      |

## 1. Product description

**Bergolin Putty 4D9700-LowTemp** is a pigmented, elastic, solvent free and light stable 2-component liquid plastic for the rotor blades of wind turbines.

## 2. General information

|                                     |                                                                       |                |                                                                                                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer</b>                 | Bergolin GmbH & Co. KG<br>Sachsenring 1<br>27711 Osterholz-Scharmbeck | <b>Contact</b> | Tel. +49 4795 / 95899-0<br>Fax: +49 4795 / 95899-290<br>E-mail: <a href="mailto:info@bergolin.de">info@bergolin.de</a><br>Web: <a href="http://www.bergolin.de">www.bergolin.de</a> |
| <b>Product</b>                      | Bergolin Putty 4D9700-LowTemp, color                                  | <b>Series</b>  | 4D9700                                                                                                                                                                              |
| <b>Approvals and specifications</b> | N/A                                                                   |                |                                                                                                                                                                                     |

## 3. Product features

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Binder system</b>    | Polyurethane                                                                                                                                              |
| <b>Hardener</b>         | Bergolin Hardener 7D9700                                                                                                                                  |
| <b>Thinner</b>          | N/A                                                                                                                                                       |
| <b>Cleaning thinner</b> | 5P1100                                                                                                                                                    |
| <b>Characteristics</b>  | Solvent free<br>Pigmented<br>Elastic<br>Light stable                                                                                                      |
| <b>Color</b>            | Approx. RAL 7038<br>Other colors on request                                                                                                               |
| <b>Gloss</b>            | Glossy / visual                                                                                                                                           |
| <b>Shelf life</b>       | Component A 12 months / component B 12 months<br>In the closed original container at temperatures from +4°C to +40°C.<br>Protect from frost and moisture! |

|                                 |                                 |
|---------------------------------|---------------------------------|
| Modified by: Saborskich, Julian | Released by: Saborskich, Julian |
| Date: 26.04.2024                | Date: 26.04.2024                |

## Technical data sheet

|       |             |
|-------|-------------|
| ID    | 3561        |
| Stand | 003/04.2024 |
| Page  | 2 of 3      |

Bergolin Putty 4D9700-LowTemp

|                                                   | A Component                    | B Component                    | Mixture                        |
|---------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>Density</b><br>DIN EN ISO 2811-1/+20°C         | Approx. 1.60 g/cm <sup>3</sup> | Approx. 1.14g/ cm <sup>3</sup> | Approx. 1.48g/ cm <sup>3</sup> |
| <b>VOC content</b><br>IE Directive 2010/75 / EU   | Approx. 0,9 g/l                | Approx. 0 g/l                  | Approx. 0.6 g/l                |
| <b>Solid body weight percentage:</b><br>acc. MSDS | Approx. 100 %                  | Approx. 100 %                  | Approx. 100 %                  |
| <b>Viscosity</b><br>DIN EN ISO 2555/ +20°C        | Approx. 300,000 mPas           | Approx. 14,000 mPas            | Thixotropic                    |

## 4. Processing

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

|                                       |                                                                                                                                         |        |  |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| <b>Substrate</b>                      | GRP<br>Other substrates on request                                                                                                      |        |  |
| <b>Substrate pretreatment</b>         | Sand surface mechanically; the surface must be dry and clean before application.                                                        |        |  |
| <b>Mixing ratio</b>                   | 100:35,7 by weight / 2:1 by volume                                                                                                      |        |  |
| <b>Theoretical consumption</b>        | Approx. 1.48 kg/m <sup>2</sup> per mm layer thickness                                                                                   |        |  |
| <b>Application type</b>               |                                                      | Filler |  |
| <b>Processing conditions</b>          | +5°C to +25°C / < 90% relative Humidity                                                                                                 |        |  |
| <b>Processing time</b>                | Approx. 2,5 minutes, +25°C<br>Approx. 3 minutes, +20°C<br>Approx. 3 minutes, +15°C<br>Approx. 4 minutes, +5°C                           |        |  |
| <b>Overcoating time* <sup>1</sup></b> | Min. As soon as the coating is stable for another layer<br>Max.: While the coating is still tacky                                       |        |  |
| <b>Drying time* <sup>1</sup></b>      | Can be sanded after:<br>Approx. 25 minutes, +25°C<br>Approx. 30 minutes, +20°C<br>Approx. 40 minutes, +15°C<br>Approx. 70 minutes, +5°C |        |  |

\* <sup>1</sup> Lower temperatures slow drying. Higher temperatures accelerate drying.

Modified by: Saborskich, Julian

Released by: Saborskich, Julian

Date: 26.04.2024

Date: 26.04.2024

|                               |       |             |
|-------------------------------|-------|-------------|
| Technical data sheet          | ID    | 3561        |
|                               | Stand | 003/04.2024 |
| Bergolin Putty 4D9700-LowTemp | Page  | 3 of 3      |

## 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.

|                                 |                                 |
|---------------------------------|---------------------------------|
| Modified by: Saborskich, Julian | Released by: Saborskich, Julian |
| Date: 26.04.2024                | Date: 26.04.2024                |