

## Technical data sheet

Bergolin Pipe Coating 6E3500, oxide red

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### 1. Product description

**Bergolin Pipe Coating 6E3500** is a pigmented, solvent-free and phenol-free 2-component liquid resin designed for the internal coating of steel pipes. The system is applied as a friction-reducing flow coating and is intended for long-term protection and performance optimization of pipe interiors. The coating forms a highly abrasion-resistant, dense, and ultra-smooth surface that reduces friction and turbulence, thereby increasing gas flow rates. Its high coverage rate enables cost-effective application even on long pipe sections. The system offers short-term temperature resistance of up to 250 °C. Bergolin Pipe Coating 6E3500 is suitable for use in gas transportation and pipeline systems and is already approved for gases such as H<sub>2</sub>, CO<sub>2</sub>, and N<sub>2</sub>.

### 2. General information

<b>Manufacturer</b>	Bergolin GmbH & Co. KG Sachsenring 1 27711 Osterholz-Scharmbeck	<b>Contact</b>	Tel. +49 4795 / 95899-0 Fax: +49 4795 / 95899-290 E-Mail: info@bergolin.de Web: www.bergolin.de
<b>Product</b>	Bergolin Pipe Coating 6E3500	<b>Series</b>	6E3500
<b>Approvals and specifications</b>	Tested in accordance with ISO 15741:2016-11 – Paints and varnishes – Friction-reducing coatings for the internal lining of onshore and offshore steel pipelines for non-corrosive gases, as well as API RP 5L2:2002-07 – Recommended Practice for Internal Coating of Line Pipe for Non-Corrosive Gas Service.		

### 3. Product features

<b>Binder system</b>	Epoxy resin
<b>Hardener</b>	Bergolin Hardener 7E3800
<b>Thinner</b>	N/A
<b>Cleaning thinner</b>	5E403
<b>Characteristic</b>	Solvent-free Phenol-free Extremely smooth surface Very high abrasion resistance H <sub>2</sub> , CO <sub>2</sub> and N <sub>2</sub> ready Short-term temperature resistance up to 250 °C
<b>Color</b>	Oxide red, Other colors on request
<b>Gloss</b>	Glossy
<b>Shelf life</b>	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
<b>Density</b> DIN EN ISO 2811-1/+20°C	Approx. 1,41 g/cm <sup>3</sup> * <sup>1</sup>	Approx. 1,07 g/cm <sup>3</sup> * <sup>1</sup>	Approx. 1,34 g/cm <sup>3</sup> * <sup>1</sup>
<b>VOC content</b> IE Directive 2010/75 / EU	Approx. 21,60 g/l	1,95 g/l	Approx. 16,08 g/l* <sup>1</sup>
<b>Solid body weight percentage:</b> Acc. MSDS	Approx. 98,50 % * <sup>1</sup>	Approx. 99,81% * <sup>1</sup>	Approx. 98,80 % * <sup>1</sup>
<b>Viscosity</b> DIN EN ISO 2555/ +20°C	Approx. 1400 mPas	Approx. 1200 mPas	Approx. 1300 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	Steel Other substrates on request		
Substrate pretreatment	Surface preparation in accordance with EN ISO 12944-4 Free of welding beads, pores, overlaps, burrs, grease, oil and dirt; blasting Sa 21/2, average roughness depth Rz approx. 30 - 70 µm (G or operating mixture GS)		
Mixing ratio	A : B	100 : 29 by weight	100 : 40 by volume
Mixing	Mixing the components using a 2-component system		
Application type		2-C-Airless-spraying	
Processing conditions	min. +8 °C, max. +40 °C Air temperature max. 90 % relative humidity Surface temperature min. +8 °C Dew point min. 3°C below the surface temperature		
Geltime / Potlife	Approx. 30 min at 20°C		
Processing time* DIN EN ISO 9514	Approx. 16 min at + 20°C		
Drying time, forced	Touch dry: 50 min. at 50°C		

\* 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 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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