

## BERGOLIN 2C CLEAR COAT 2D1100

Series 2D1100 · Colourless, solvent-free 2K clear coat (pore filler / transparent topcoat) for CFRP/GRP substrates



### 01 PRODUCT DESCRIPTION

**Bergolin 2C Clear Coat 2D1100** is a colourless, solvent-free and lightfast two-component liquid plastic that can be used as a pore filler as well as a transparent topcoat for CFRP and GRP substrates. It can be applied in various ways (brush, roller, casting or 2K airless spraying), is quick to recoat and forms a clear, lightfast surface that brings out the fibre structure to full effect.

### 02 PRODUCT PROPERTIES

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Binder system    | Polyurethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Hardener system  | Bergolin Hardener 7D810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cleaning thinner | Bergolin Cleaning Agent 5P1100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Characteristics  | <div>  Solventfree            Transparent            Lightfast            Fast recoating            Good adhesion         </div> |
| Color shade      | Colorless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gloss            | Glossy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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  | Approx. 1.09 g/cm <sup>3</sup> | Approx. 1.15 g/cm <sup>3</sup> | Approx. 1.11 g/cm <sup>3</sup> |
| VOC content · IE Directive 2010/75/EU | Approx. 1 g/l                  | Approx. 0 g/l                  | Approx. 0.3 g/l                |
| Solid content (wt.-%) · SDS           | Approx. 100 %                  | Approx. 100 %                  | Approx. 100 %                  |
| Viscosity · DIN EN ISO 2555 · +20 °C  | Approx. 4000 mPas              | Approx. 1000 mPas              | Approx. 3000 mPas              |

### 03 APPLICATION

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

|                     |                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substrate           | CFRP / GRP (further substrates on request)                                                                                                                                                                                                                                             |
| Surface preparation | <p>The surfaces to be coated must be clean, dry, load-bearing and free from contamination (e.g. oil, grease and dust). Release-agent residues must be removed completely.</p> <p>The substrate must be mechanically sanded. After sanding, remove all sanding residues completely.</p> |
| Mixing ratio        | 100 : 53 by weight   100 : 50 by volume                                                                                                                                                                                                                                                |
| Mixing              | Processing as a two-component system with static mixer, as a two-component airless system or from the 2K cartridge with static mixer.                                                                                                                                                  |

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|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Theoretical consumption                       | Approx. 0.56 kg/m² at 500 µm dry film thickness                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                                |                                                                                                   |
| Application method                            | <br>Brush                                                                                                                                                                                                                          | <br>Roller | <br>Casting | <br>2K airless |
| Application conditions                        | <div> <b>Application temperature</b> +10 °C to +35 °C</div> <div> <b>Relative humidity</b> 20–80 %; dew point 3 °C below object temperature</div> |                                                                                             |                                                                                                |                                                                                                   |
| Pot life <sup>1</sup>                         | Approx. 16 min                                                                                                                                                                                                                                                                                                      |                                                                                             |                                                                                                |                                                                                                   |
| Recoating interval (with itself) <sup>1</sup> | Casting, rolling, brushing: max. 24 h   spraying: 4 h (at 55 °C material temperature)                                                                                                                                                                                                                               |                                                                                             |                                                                                                |                                                                                                   |
| DRYING <sup>1</sup>                           |                                                                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                                |                                                                                                   |
| Sandable                                      | Approx. 0.5 h                                                                                                                                                                                                                                                                                                       |                                                                                             |                                                                                                |                                                                                                   |

<sup>\*1</sup> Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.

### 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

24.08.2026 – Martin Krull, Head of Laboratory

#### APPROVED BY

24.08.2026 – Stefan Eisenmenger, Product Management