BERGOLIN CARBON FILLER

Colourless, solvent-free 2K pore filler (liquid plastic) for CFRP/GRP substrates; also usable as in-mould gelcoat

01 PRODUCT DESCRIPTION

Bergolin Carbon Filler is a high-performance, colourless and solvent-free two-component liquid plastic developed specifically as a pore filler for CFRP and GRP substrates. It fills pinholes, pores and scratches in a single step and enables crystal-clear applications, allowing particularly pronounced depth effects to be achieved. The filler is characterised by excellent adhesion, fast drying and high light resistance and can also be used as an in-mould gelcoat. It thus provides a reliable basis for demanding, durable coating systems in the industrial field of fibre-reinforced plastics.

02 PRODUCT PROPERTIES

Binder system	Polyurethane
Hardener system	Bergolin Carbon Filler Hardener
Cleaning thinner	Bergolin Cleaning Agent 5P1100
Characteristics	Solventfree · Crystalclear · Lightfast · Fast recoating · Good adhesion
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/cm³	Approx. 1.15 g/cm³	Approx. 1.11 g/cm³
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

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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	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. The substrate must be mechanically sanded. After sanding, remove all sanding residues completely.
Mixing ratio	100 : 53 by weight | 100 : 50 by volume
Mixing	Process from the 2K cartridge with static mixer; alternatively weigh out the base and hardener components in the stated ratio and mix intensively for approx. 1 min.
Theoretical consumption	Approx. 560 g/m² at 500 µm dry film thickness
Application method	Brush Roller
Application conditions	**Application temperature** +10 °C to +35 °C (air temperature) **Relative humidity** Max. 80 %; dew point 3 °C below surface temperature
Pot life[*1]	Approx. 16 min (gel timer)
Working time[*1]	Approx. 8 min
Recoating interval (with itself)[*1]	Max. 24 h. After the maximum recoating time has elapsed, mechanical surface preparation (e.g. sanding) is required.
DRYING[*1]	
Sandable	Approx. 30 min
Compatible systems	The product can be combined with further products from the Bergolin composites portfolio (e.g. gelcoats and clear coats of the 2D range as well as BergoLED Speed-Repair Putties) to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

[*1] *Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.*

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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

25.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

25.08.2026 – Stefan Eisenmenger, Product Management