AEROGLIDE TOPCOAT 6D3800

Series 6D3800 · Pigmented, solvent-free, light-fast 2K liquid plastic for GRP and CFRP composites

01 PRODUCT DESCRIPTION

Aeroglide Topcoat 6D3800 is a pigmented, solvent-free, light-fast two-component liquid plastic for coating GRP- and CFRP-based composite materials. As a topcoat within the Aeroglide system it forms an erosion-resistant, UV-stable and fast-drying wear layer with very good adhesion, as required e.g. for the rotor blades of wind turbines. It can be used both as a gelcoat and as a topcoat.

02 PRODUCT PROPERTIES

Binder system	Polyurethane
Hardener system	Aeroglide Hardener 7D3800
Cleaning thinner	Bergolin Cleaner 5P1100
Characteristics	Solvent-free · Light-fast · Fast-drying · High adhesion
Color shade	RAL 7035 (further shades on request)
Gloss	Depending on application/mould
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. 1.46 g/cm³	Approx. 1.15 g/cm³	Approx. 1.39 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 0.39 g/l	Approx. 0 g/l	Approx. 0.27 g/l
Solid content (wt.-%) · SDS *¹	Approx. 99.6 %	Approx. 100 %	Approx. 99.7 %
Viscosity · DIN EN ISO 2555 · +20 °C	Approx. 8,000 mPas	Approx. 750 mPas	Approx. 4,000 mPas

*¹ *Depending on colour shade*

03 APPLICATION

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

Substrate	GRP and CFRP (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 : 39 by weight | 100 : 50 by volume

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Mixing	Application from the 2K cartridge with static mixer or via a 2K airless unit.
Theoretical consumption	Approx. 1.39 kg/m² per mm dry film thickness
Film thickness	Min. 400 µm total dry film thickness (wear layer); multi-layer build-up required.
Application method	Roller · Spraying
Application conditions	**Application temperature** Room temperature +10 °C to +35 °C (above +20 °C accelerated curing); object temperature +20 °C to +25 °C. Spraying: material temperature 50–60 °C (do not exceed the maximum). **Relative humidity** 20–80 %; dew point 3 °C below object temperature
Pot life[*2]	Approx. 15 min
Working time[*2]	Approx. 6–7 min
DRYING[*2]	
Laminatable / can be laid up with glass fabric	Earliest after 30 min; max. 72 h
Compatible systems	The product is part of the Aeroglide system and can be combined with further Bergolin products to form a coordinated coating system. We will be glad to help you determine the suitable system combination – please contact our Technical Service.

[*2] *Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it. For optimum adhesion between gelcoat and resin we recommend tempering the component directly after resin infusion; coordinate the tempering parameters with Bergolin Technical Service.*

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

01.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

01.09.2026 – Stefan Eisenmenger, Product Management