

SUPERDUR-FÜLLGRUND 3D982-S

Series 3D982-S · Solvent-borne, fast-drying 2K PUR filler primer (high solid) for GRP surfaces



01 PRODUCT DESCRIPTION

Superdur-Füllgrund 3D982-S is a solvent-borne, fast-drying two-component PUR filler primer with high solid content for GRP surfaces. It is characterised by high filling power and quick reworkability and forms a sound basis within the coating system. Thanks to its high filling power, irregularities and fine textures of the GRP surface are reliably levelled out. The fast drying and reworkability enable short cycle times in series production. Combined with the matching Bergolin topcoats, it forms a high-performance coating system for rotor blades and other GRP components.

02 PRODUCT PROPERTIES

Binder system	Polyurethane		
Hardener system	Bergolin PUR Hardener 7D982		
Adjustment thinner	Bergopur Special Thinner 5P003		
Cleaning thinner	Superdur Thinner 5D402		
Characteristics	 High fill	 Fast-drying	 High solid
Color shade	White, grey		
Gloss	Matt		
Shelf life	Approx. 12 months (components A and B) 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. 1.50 g/cm ³	Approx. 1.10 g/cm ³	Approx. 1.46 g/cm ³
VOC content · IE Directive 2010/75/EU	Approx. 291 g/l	Approx. 139 g/l	Approx. 271 g/l
Solid content (wt.-%) · SDS	Approx. 81 %	Approx. 87.5 %	Approx. 82 %
Viscosity · DIN EN ISO 2555 · +20 °C	Approx. 2,000 mPas	Approx. 500 mPas	Approx. 1,800 mPas

03 APPLICATION

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

Substrate	GRP as well as sound underlying coatings (e.g. gelcoat); 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. Mechanical sanding is not mandatory; if sanded, clean the surface from sanding residues afterwards.

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Mixing ratio	9 : 1 by weight 6.65 : 1 by volume
Mixing	Add the hardener component completely to the base component and mix intensively for approx. 1 minute with an electric stirrer. Then add the thinner and mix intensively again for approx. 1 minute.
Theoretical consumption	Approx. 420 g/m² at 200 µm dry film thickness
Application method	 Airless  Airmix  Cup gun
Application conditions	 Application temperature +15 °C to +35 °C  Relative humidity < 85 %
Pot life ^{*1}	Approx. 30 min
Recoating interval (with itself) ^{*1}	Reworkable from approx. 45 min
DRYING^{*1}	
Through-dried (TG 7), +20 °C	Approx. 2 h (at 300 µm wet film)
Through-dried (TG 7), +40 °C	Approx. 1 h (at 300 µm wet film)
Compatible systems	The product can be combined with numerous other 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.

^{*1} 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.

GEÄNDERT VON

28.08.2026 – Martin Krull, Head of Laboratory

FREIGEgeben VON

28.08.2026 – Stefan Eisenmenger, Product Management