

PEKINOL-GRUNDIERUNG 3A310-F

Series 3A310-F · Solvent-borne, fast-drying 1K primer (modified alkyd resin) with good corrosion protection for steel



01 PRODUCT DESCRIPTION

Pekinol-Grundierung 3A310-F, RAL 9002 is a solvent-borne, fast-drying single-component primer based on a modified alkyd resin, offering good corrosion protection for steel substrates. Its thixotropic adjustment allows high-build, sag-free application. The fast initial drying enables short cycle times and quick recoating within the coating system. The primer forms a sound basis for subsequent top coats.

02 PRODUCT PROPERTIES

Binder system	Modified alkyd resin			
Adjustment thinner	Bergolin Thinner 5P030			
Cleaning thinner	Bergolin Thinner 5P030			
Characteristics	 Corrosion protection	 Single-component	 High build	 Fast-drying
Color shade	RAL 9002 (further color shades on request)			
Gloss	Matt			
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from heat and cold.			

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.40 g/cm ³	–	–
VOC content · IE Directive 2010/75/EU *1	Approx. 415 g/l	–	–
Solid content (wt.-%) · SDS *1	Approx. 70 %	–	–
Viscosity · DIN 53019 · +20 °C *1	Thixotropic	–	–

*1 Depending on color shade

03 APPLICATION

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

Substrate	Steel (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. Steel: Surface preparation in accordance with EN ISO 12944 (e.g. blast-cleaning or manual/mechanical de-rusting). The substrate must be dry and free from grease, oil and other contaminants.
Theoretical consumption	Approx. 220 g/m ² at 80 µm dry film thickness

PEKINOL-GRUNDIERUNG 3A310-F

Series 3A310-F · Solvent-borne, fast-drying 1K primer (modified alkyd resin) with good corrosion protection for steel



Application method	 Brush  Roller  Airless / Airmix
	<i>Airless: as supplied, max. 5 % thinner. Air spray: approx. 30–35 s (DIN 4 mm), approx. 10–15 % thinner; nozzle 1.5–1.8 mm, pressure 3.5–4.0 bar.</i>
Application conditions	 Application temperature > +5 °C  Relative humidity max. 85 %  Dew point Object and air temperature min. 3 °C above dew point
Recoating interval (with itself) ^{*2}	Min. 12 h max. 72 h
DRYING^{*2}	
Dust-dry (TG 1)	Approx. 45 min
Through-dried (TG 3)	Approx. 70 min
Fully load-bearing (mech. & chem.)	After full curing, approx. 7 days
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.

^{*2} 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

28.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

28.08.2026 – Stefan Eisenmenger, Product Management