BERGOLIN GRUNDIERUNG 3PH27-3

Series 3PH27-3 · Solvent-borne 1K wash primer (polyvinyl butyral) for steel, cast iron and aluminium

01 PRODUCT DESCRIPTION

Bergolin Grundierung 3PH27-3 is a solvent-borne single-component wash primer based on a modified polyvinyl butyral for metallic substrates such as steel, cast iron and aluminium. It dries very quickly, adheres excellently to various metals and serves as a universal primer within the coating system. Thanks to its good wetting, it can also be used as a thin-film wash primer.

02 PRODUCT PROPERTIES

Binder system	Modified polyvinyl butyral
Cleaning thinner	Bergolin Thinner 1699 5PH15 or Bergolin Thinner 5PH24
Characteristics	Single-component · Multi-substrate · Fast-drying · Good adhesion
Color shade	Black-grey
Gloss	Matt to satin 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	Approx. 1.05 g/cm³	–	–
VOC content · IE Directive 2010/75/EU	Approx. 679 g/l	–	–
Solid content (wt.-%) · SDS	Approx. 36–40 %	–	–
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 30 s (4 mm)	–	–

03 APPLICATION

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

Substrate	Steel, cast iron, aluminium (further substrates on request)
Surface preparation	The substrate must be dry, clean and free from oil, dust, moisture, electrolytes and other contaminants. **Steel/cast iron:** Surface preparation in accordance with EN ISO 12944 (e.g. blast-cleaning or manual/mechanical de-rusting). **Aluminium:** Degrease and mechanically abrade or sweep-blast.
Theoretical consumption	Approx. 150 g/m² at 30 µm dry film thickness
Film thickness	Approx. 30 µm dry film thickness (can also be used as a thin-film wash primer)

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Application method	Spraying Gravity cup gun *Spray viscosity: as supplied (undiluted).*
Application conditions	**Application temperature** +15 °C to +30 °C **Relative humidity** < 85 %
Recoating interval (with itself)[*1]	Overcoatable from approx. 30–40 min
DRYING[*1]	
Dust-dry (TG 1)	Approx. 10–12 min
Grip-firm (TG 3)	Approx. 15–17 min
Fully load-bearing (mech. & chem.)	Approx. 72 h
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.

MODIFIED BY
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APPROVED BY
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