BERGOLIN HYDRO-EINSCHICHTLACK 6P213

Series 6P213 · Waterborne 1K single-coat paint for steel substrates with fast drying and good corrosion protection

01 PRODUCT DESCRIPTION

Bergolin Hydro-Einschichtlack 6P213 is a waterborne single-component single-coat paint for steel substrates with fast initial drying and excellent corrosion protection, designed for spray application. As a single-coat system it combines primer and topcoat in one operation and thus shortens process times in series coating. The waterborne formulation enables low-emission working; the fast initial drying allows short cycle times and quick further processing.

02 PRODUCT PROPERTIES

Binder system	Special resin polymers
Adjustment thinner	Water
Cleaning thinner	Water; the cleaning effect can be improved by adding a little Bergolin Hydro Thinner 5P048.
Characteristics	Single-component · Water-borne · Corrosion protection · Fast-drying
Color shade	RAL shades (further shades on request)
Gloss	Matt
Shelf life	Approx. 6 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. 1.2 g/cm³	–	–
Solid content (wt.-%) · SDS *¹	Approx. 50 %	–	–
Solid content (vol.-%) · SDS *¹	Approx. 40 %	–	–
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 35 s (4 mm)	–	–

*¹ *Depending on colour shade*

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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	Steel, zinc phosphating, iron phosphating, cast iron (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. Surface preparation to EN ISO 12944-4; free from weld spatter, pores, overlaps, burrs, grease, oil and dirt. Blast-clean to Sa 2½. Pretreatment of other substrates on request.
Theoretical consumption	Approx. 0.145 kg/m² at 50 µm dry film thickness
Application method	Brush · Roller · Spraying *Forced drying (hot-air blower, infrared line) accelerates the drying process.*
Application conditions	**Application temperature** > +15 °C (above +20 °C accelerated drying) **Relative humidity** 35–75 % **Dew point** Object temperature min. 3 °C above dew point
Recoating interval (with itself)[*2]	Min. 10 h | max. 7 days

DRYING[*2]

Dust-dry (TG 1)	Approx. 30 min
Through-dried (TG 7)	Approx. 10 h (at 120 µm wet film thickness)
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

07.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

07.09.2026 – Stefan Eisenmenger, Product Management