BERGOLIN KH PAINT COLOR 3P203-V

Series 3P203-V · Water-based 1K KH paint color (single-coat) with fast drying and corrosion protection

01 PRODUCT DESCRIPTION

Bergolin KH paint color 3P203-V, black is a water-based single-component single-coat paint based on a hybrid system, offering fast drying and excellent corrosion protection. It can also be used as a primer and can be overcoated with most solvent-borne and water-thinnable 1K and 2K coatings. As a water-based formulation it enables low-emission working and is suited to the industrial corrosion protection of steel and galvanized components.

02 PRODUCT PROPERTIES

Binder system	Hybrid system
Adjustment thinner	Water
Cleaning thinner	Clean equipment with water; cleaning performance can be improved by adding Hydro Thinner 5P048.
Characteristics	Single-component · Waterbased · Corrosion protection · Fastdrying · Overcoatable
Color shade	Black
Gloss	Matt
Shelf life	Approx. 6 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. 1.20 g/cm³	–	–
VOC content · IE Directive 2010/75/EU *1	Approx. 92 g/l	–	–
Solid content (wt.-%) · SDS *1	Approx. 50 %	–	–
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 50 s (4 mm)	–	–

*1 *Depending on color shade*

BERGOLIN KH PAINT COLOR 3P203-V

Series 3P203-V · Water-based 1K KH paint color (single-coat) with fast drying and corrosion protection

03 APPLICATION

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

Substrate	Steel, blast-cleaned steel, zinc or iron phosphating, galvanized steel sheet
Surface preparation	The substrate must be clean and free from grease, oil, scale, electrolytes and other contaminants.
Theoretical consumption	Approx. 150 g/m² at 50 µm dry film thickness
Film thickness	Approx. 50 µm dry film thickness
Application method	Spraying *Spray application e.g. with a gravity cup gun; spray viscosity approx. 35 s (4 mm).*
Application conditions	**Application temperature** > +15 °C **Relative humidity** 40–70 %
Overcoatable[*2]	At a wet film thickness of 100 µm, it can be overcoated after approx. 30 min drying with most 1K and 2K coatings (water-thinnable and solvent-borne); a test is generally recommended.
DRYING (AT 50 µM DRY FILM THICKNESS)[*2]	
Dust-dry	Approx. 30 min
Handling-dry	Approx. 90 min
Assembly-firm	Overnight
Load-bearing	After 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.*

BERGOLIN KH PAINT COLOR 3P203-V

Series 3P203-V · Water-based 1K KH paint color (single-coat) with fast drying and corrosion protection

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

26.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

26.08.2026 – Stefan Eisenmenger, Product Management