

HAFTVERMITTLER 3P434

Series 3P434 · Solvent-borne 1K adhesion promoter (special polymers) for steel



01 PRODUCT DESCRIPTION

Haftvermittler 3P434 is a solvent-borne single-component adhesion promoter based on special polymers for steel substrates. It ensures very good adhesion between the substrate and subsequent coatings and dries extremely quickly. Thanks to its thin-film application and short drying time, it enables fast process cycles. The adhesion promoter can be applied by brush, roller and spray and serves as a reliable bonding layer within the coating system.

02 PRODUCT PROPERTIES

Binder system	Special polymers		
Adjustment thinner	Bergopur Special Thinner 5P003		
Cleaning thinner	Bergolin Thinner 5D402		
Characteristics	 Single-component	 Very good adhesion	 Fast-drying
Color shade	Brown, light grey		
Gloss	Matt		
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C.		

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.27 g/cm ³	–	–
VOC content · IE Directive 2010/75/EU *1	Approx. 650 g/l	–	–
Solid content (wt.-%) · SDS *1	Approx. 49 %	–	–
Flow viscosity · DIN EN ISO 2431 · +20 °C *1	Approx. 41 s (6 mm)	–	–

*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 to EN ISO 12944-4; blast-clean to Sa 2½. The substrate must be dry, clean and free from grease, oil, dust, scale and other contaminants.
Theoretical consumption	Approx. 52–105 g/m ² at 20–40 µm dry film thickness

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Application method	 Brush  Roller  Spraying
	Spray viscosity approx. 18–20 s (4 mm) for compressed-air/airless spraying.
Application conditions	 Application temperature > +10 °C  Relative humidity 20–80 %  Dew point Object temperature min. 3 °C above dew point
DRYING ^{*2}	
Dust-dry (TG 1)	Approx. 10 min (at 20 µm)
Grip-firm (TG 3)	Approx. 20 min (at 20 µm)
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

01.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

01.09.2026 – Stefan Eisenmenger, Product Management