

PROTOPOL® F50

Reaction Primer

Product Description

Lead and chromate free one-pack chemically curing primer with very good adhesion to smooth and badly pretreated surfaces. Thermal resistance up to 80 °C dry heat.

Areas of Application

Production-line painting in machine, metal and vehicle construction. Especially suitable as primer for cold-drawn profiles and aluminium profiles.

Application and Thinning

Application Method	Thinning	Nozzle
Conventional:		
Flow cup	30 - 40 % V1	1.8 mm
Double diaphragm pump	20 - 30 % V1	1.6 mm
Airmix / Airless	15 - 20 % V1	11/20 narrow 11/40 large
Rolling / Brushing	20 - 30 % V1	Mohair roller Solvent-resistant, 5 mm

Do not apply at temperatures below + 5 °C. Surface temperature must be at least 3 °C above dew point to prevent moisture condensation during application.

Steel parts temporarily exposed to weathering should be coated with a dry film thickness of at least 40 µm.

Can be recoated with Protopol F50 after 30 minutes at 20 °C. Coating with one-pack top coats only after 1 - 2 hours at 20 °C. Two-pack top coats for indoor use should first be discussed with our Technical Department.

Special Note

Our instructions are referring to normal climate 23/50. The information contained in this technical data sheet is based on general technical standards and is meant for specialists. Any changes in the recommended operating procedures or specified environmental conditions may influence the results significantly. Our guarantee covers only the quality of the material delivered. We do not accept any responsibility for the application. In case of doubt, we recommend contacting our Technical Service. Our products are under constant development. Therefore please note date of issue of our technical data sheet and ask for the latest edition.

Safety Measures

Protopol F50 contains solvents and is combustible. Protect from heat and keep away from naked flames. Ensure that ventilation is adequate. Do not inhale vapours. The Safety Data Sheet as well as the general regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Polyvinylbutyral
Pigmentation	Zinc phosphate
Finish	Matt
Color	black approx. RAL 7037 dust grey white
Substrate	Cold-drawn profiles, steel, aluminium (chromatized for exterior use). The substrate must be dry, free of grease and dust.
Thinner	V1 (The use of other thinners may lead to defects and loss of quality).
Packaging	20 kg disposable containers 5 kg disposable containers for RAL 7037
Storage	6 months in original, unopened containers stored at a temperature of 20 °C.
Waste disposal	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 11.

Components	1
Drying (23 °C)	Dust free approx. 5 min. Dry to touch approx. 30 min. Transportable approx. 2 - 3 hours
Drying	Drying times depend on film thickness, substrate- and air-temperatures.
Forced drying	possible, e.g. 30 minutes @ 80 °C

Solids content	by weight: approx. 42 %	} white
Density (20 °C)	by volume: approx. 26 % approx. 1,07 kg/l	
Theoretical consumption	approx. 120 g/m ² @ 30 µm	

	Protopol F50	V1
VOC value	approx. 60 - 64 %	100 %

(replaces edition 04.15)

10.20