Technical Data Sheet

PROTOPOL F80

Anticorrosive Primer

Lead and chromate free

Product Description

One-pack anticorrosive synthetic resin based primer with good adhesion and fast drying properties. Excellent corrosion protection due to the combination of anticorrosive pigments. Thermal resistance up to 80 °C dry heat (on ABB admissions list).

Areas of Application

Mechanical engineering, metal and machinery construction as well as cast iron parts.
Suitable for temporary outdoor storage provided a dry film thickness of 60 - 80 µm is applied.

Application

Conventional and airless spraying, brushing and rolling. May also be applied by electrostatic spraying.

Airless nozzles (approximate settings):
narrow = 213 / medium = 413 / wide = 613

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.

Can be recoated with PROTOPOL F80 after 1-2 hours at 20 °C, with one-pack top coats at 20 °C after 12 hours at the earliest.

Addition of Thinner

Conventional spraying	10 - 20 wt.-%	V1, V16
Airless spraying	0 - 5 wt.-%	V1, V16
Brushing and rolling	no thinning	

Special Note

Our indications are based on a dry coat strength of approx. 60 µm for primers and approx. 40 µm for top coats, normal climate 23/50 DIN 50014.

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 latest edition.

Safety Measures

PROTOPOL F80 contains solvents and is combustible, therefore protect from heat and keep away from naked flames. Sufficient air circulation must be provided. Do not inhale vapours. All regulations regarding work hygiene and operational measures must be observed.

Technical Data

Binder	Alkyd resin
Pigmentation	Zinc phosphate
Finish	Matt
Colour	white approx. RAL 7001 silver grey approx. RAL 6011 reseda green approx. RAL 3009 oxid red approx. RAL 1002 sand yellow approx. RAL 9011 graphite black Other colours on request.
Substrate	Steel, cast iron, electrogalvanized surfaces (Zincor). The surface must be dry, free of grease and dust. For higher demands blast cleaning according to ISO 8501-1 Sa 2 - 2 1/2 or mechanical rust removal St 3. Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent rusting.
Thinner	V1, V16 (The use of other thinners may lead to defects and loss of quality).
Packaging	6, 12 and 25 kg disposable containers
Storage	12 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 (20 °C)	Dust free approx. 10 min. Dry to touch approx. 1 hour Transportable approx. 16 hours Drying times depend on film thickness, substrate and air temperatures.
Forced drying	possible, e.g. 30 min. at 80 °C.

Solids content	by weight : approx. 63 % by volume: approx. 45 %	approx. RAL 7001 silver grey
Density (20 °C)	approx. 1,35 kg/l	
Theoretical consumption	approx. 180 g/m² @ 60 µm	

	PROTOPOL F80	**Thinner V1**	**Thinner V16**
Flash point	25 °C	25 °C	25 °C
Danger class RID/ADR	Not applicable	3 III	3 III
VOC content	40,2 %	100 %	100 %

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