Technical Data Sheet

AQUAPOL F500

Anticorrosive Primer

Water-dilutable

Product Description

Water-dilutable one-pack anticorrosive primer with excellent corrosion protection due to anticorrosive pigments. Good levelling, adhesion, flexibility and hardness. Excellent resistance to mineral oil, water, acid and white spirit. Permanent thermal resistance up to 80 °C dry heat. Figures on ABB admission list.

Areas of Application

Wherever good corrosion protection is required and primers containing solvents have been used; for example on iron parts in rail, street or agricultural vehicles, all sorts of cast iron, and objects of the instrument, machine and hardware industries. Suitable as primer for powder coating.

Application

Conventional, Airmix and low pressure, brushing. Can be used for dipping.

Important for application and drying:

- Air temperature ideal 20 - 25 °C / min. 10 °C
- Humidity ideal 40 - 60 % / max. 80 %
- Object temperature above + 10 °C
- Air velocity 0,4 - 0,8 m/s

To obtain optimal surface and thorough drying, sufficient air circulation must be provided. To prevent moisture condensation during application, surface temperature must be at least 3 °C above dew point.

Can be recoated with e.g. AQUAPOL G551, MONOFER G101, BILACRYL PU D11 / D31 / D41 after 12 hours at 20 °C.

Addition of Water

Conventional, Airmix and low pressure up to 5 wt.-%
Brushing no water needed
Dipping: Addition of water according to object and installation.

Cleaning of Equipment

Remove remaining paint from equipment and rinse thoroughly with little water (use for dilution). Repeat if necessary and rinse with cleaner V120 or cleaning thinner.

Special Note

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

All regulations regarding work hygiene and operational measures must be observed.

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 the date of issue of our technical data sheet and ask for the latest edition.

Technical Data

Binder	Modified alkyd resin
Pigmentation	Zinc phosphate
Finish	Matt
Colour	white approx. RAL 7009 green grey approx. RAL 3009 oxide red approx. RAL 7001 silver grey Other colours on request.
Substrate	Iron (for higher demands phosphated), steel and cast iron. The surface must be dry, free of grease and dust. Steel, for higher demands blast cleaning according to ISO 8501-1 Sa 2 - 2 ½. Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent rusting.
Thinner	Water
Packaging	5, 10, 25 kg disposable containers 250 kg returnable barrels
Storage	6 months in original, unopened containers stored at a temperature of 20 °C. **Protect from frost at all times!**
Waste disposal	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 16.

Components	1
Drying (23 °C) (also see application)	Dust free approx. 15 min. Dry to touch approx. 45 min. Transportable approx. 12 hours Drying times depend on film thickness, substrate and air temperatures.
Forced drying	possible, e.g. 10 min. at 80 °C.

Solids content	by weight : approx. 60 % by volume: approx. 46 % } green grey
Density (20 °C)	approx. 1.3 kg/l
pH value	9,1 - 9,5
Theoret. consumption	approx. 170 g/m² @ 60 µm

Flash point	Not applicable
Danger class RID/ADR	Not applicable
VOC content	3,5 %

(replaces issue 03.00) 02.07

MONOPOL AG • Performance Coatings • CH-5442 Fislisbach
Telefon ++41 (0)56 484 77 77 • Fax ++41 (0)56 484 77 99
E-Mail info@monopol-colors.ch • www.monopol-colors.ch