

# AQUAPOL F520

## Water reducible anticorrosive dip primer

### Product Description

Water reducible one-pack anticorrosive dip primer. Excellent corrosion protection, good levelling, adhesion, flexibility and hardness. Excellent resistance to mineral oil, distilled water, alkali and white spirit.

### Areas of Application

Suitable for cast and phosphated iron substrates on instruments, machinery or hardware.

### Application

Dipping, brushing, conventional and low pressure spraying.

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. Surface temperature must be at least 3 °C above dew point to prevent condensation during application.

Can be recoated with synthetic or nitrocellulose top coats after 12 hours at 20 °C. Recoat with two-pack top coats only after consultation with our technical service.

### Addition of Water

Dipping: Addition of water according to object and installation. Approx. value 25-30 s DIN 4/20 °C. In dipping baths, viscosity and pH value must be constantly controlled. Ideal pH value is 9.5 - 9.7. Adjustment of pH with triethylamine.

Brushing: no water needed

Conventional and low pressure spraying: up to 5 wt.-%

### 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 coat, 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.

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

### Technical Data

<b>Binder</b>	Modified alkyd resin
<b>Pigmentation</b>	Zinc phosphate
<b>Gloss</b>	Matt
<b>Colour</b>	approx. RAL 7009 green gray approx. RAL 3009 oxide red approx. RAL 9011 graphite black Other colours on request
<b>Substrate</b>	Phosphated iron, steel, cast iron. The surface must be dry, and free of grease and dust. Steel, for higher demands blast cleaning according to ISO 8501-1 Sa 2 - 2½. Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent rusting.
<b>Thinner</b>	Water
<b>Packaging</b>	25 kg disposable containers 250 kg returnable barrels
<b>Storage</b>	6 months in original, unopened containers stored at a temperature of 20 °C. <b>Protect from frost at all times!</b>
<b>Waste disposal</b>	Residues are considered as special refuse and must be treated as such, VeVa-code 08 01 16.

<b>Components</b>	1
<b>Drying (23 °C)</b> (also see application)	Dust free approx. 30 min. Dry to touch approx. 2 hours Transportable approx. 24 hours Drying times depend on film thickness, substrate and air temperatures.
<b>Forced drying</b>	possible, e.g. 30 min. at 80 °C.

<b>Solids content</b>	by weight : approx. 55 % by volume: approx. 41 % approx. 1.3 kg/l	} green grey
<b>Density (20 °C)</b>		
<b>pH value</b>	9,5 - 9,7	
<b>Theoret. consumption</b>	approx. 130 g/m <sup>2</sup> @ 40 µm	

<b>Flash point</b>	Not applicable
<b>Danger class RID/ADR</b>	Not applicable
<b>VOC content</b>	3,53 %

(replaces issue 03.00)

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