

# PROTOFER® DS

## anticorrosive paint

### lead and chromate free

#### Product Description

One-component high build coating on synthetic resin basis. Up to 80 µm dry film thickness can easily be achieved in one operation. This offers a reasonably-priced method of protecting fabricated steelwork for interior use against corrosion and providing colour in one operation. Excellent corrosion protection thanks to a combination of active anticorrosive pigments. Sustained thermal resistance up to 80 °C dry heat.

#### Areas of Application

Fabricated steelwork, especially suitable as coloured one-coat finish for interior use. For exterior use apply suitable top coat. Can be used as primer for fire protective coats.

#### Application

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

Airless nozzles (approximate settings)  
narrow = 215/218 / medium = 415/418 / wide = 615/618

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 Protofer DS anticorrosive paint after 1 - 2 hours at 20 °C, with one-pack top coats after 12 hours at the earliest at 20 °C.

#### Addition of thinner

|                       |                 |    |
|-----------------------|-----------------|----|
| Conventional spraying | 10 wt.-%        | V1 |
| Airless spraying      | approx. 7 wt.-% | V1 |
| Brushing and rolling  | no thinning     |    |

#### Special Note

Our information is based on normal climate 23/50.

If stored outdoors it has to be ensured that no water accumulates on parts already coated. The painted areas must be protected from cement and chalk water.

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 undertake 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 (also available directly from our website).

#### Safety measures

Protofer DS anticorrosive paint 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

|                             |  |           |
|-----------------------------|--|-----------|
| <b>Binder</b>               | Alkyd resin  |           |
| <b>Pigmentation</b>         | Zinc phosphate   |           |
| <b>Finish</b>               | Mat  |           |
| <b>Color</b>                | Color chart RAL, NCS or sample.  |           |
| <b>Substrate</b>            | Steel, electrogalvanized steel (Zincor).<br>The surface must be dry and free of grease and dust.<br>Steel to be blast cleaned according to ISO 8501-1 Sa 2 - 2½ or mechanical rust removal St 3.<br>Remove abrasive residue and dust from surface. Recoat as soon as possible after blast cleaning to prevent rusting. |           |
| <b>Thinner</b>              | V1 (The use of other thinners may lead to defects and loss of quality.)  |           |
| <b>Packaging</b>            | 25 kg disposable containers  |           |
| <b>Storage</b>              | 12 months in original, unopened containers stored at 20 °C.  |           |
| <b>Waste disposal</b>       | Residues and expired material are considered as special refuse and must be treated as such, VeVa-code 08 01 11.  |           |
| <b>Components</b>           | 1  |           |
| <b>Drying (23 °C)</b>       | Dust free approx. 15 minutes<br>Dry to touch approx. 1 hour<br>Transportable approx. 24 hours<br><br>Drying times depend on film thickness, substrate and air temperatures.  |           |
| <b>Forced drying</b>        | possible at 40 - 80 °C   |           |
| <b>Solids content</b>       | by weight : approx. 66 % }<br>by volume: approx. 49 % } White  |           |
| <b>Density (20 °C)</b>      | approx. 1.35 kg/l }  |           |
| <b>Theoret. consumption</b> | approx. 165 g/m² @ 60 µm   |           |
|                             | <b>Protofer DS</b>   | <b>V1</b> |
| <b>VOC value</b>            | 35 %<br>38 % metallic  | 100 %     |

(replaces issue 01.21)

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