VELLE

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made in Germany

# Technical Data

| | | Rust Protection 2000 PLUS charcoal-grey | Rust Protection 2000 PLUS silver-grey | Zinc Spray | Zinc Spray bright grade |
|---|---|---|---|---|---|
| Colour*1: | | charcoal-grey / DB 703 | silver-grey / DB 701 | RAL 9006, " Slightly weathered hot-dip galvanisation" | RAL 9006, "Fresh hot-dip galvanisation" |
| Application: | | Indoors and outdoors | | | |
| Binding agent: | | Alkyd resin | | Styrenated alkyd resin | Modified Alkyd resin |
| Pigment: | | Lamellar hematite | | Flaky zinc and aluminium pigments | Flaky zinc and aluminium pigments |
| Pigment purity: | | > 90% ferric oxide | | approx. 99,9 Zn / approx. 99,9% Al | approx. 99,9 Zn / approx. 99,5% Al |
| Percentage of metal in dry film: | | approx. 58% | | approx. 70% | approx. 70% |
| Can contents: | | 400 ml | | | |
| Specific weight g/cm³: | | 1,3 - 1,4 | | 1,1 - 1,3 | 1,0 - 1,2 |
| Recommended primer: | | not necessary | | not necessary | Zinc Spray |
| Processing temperature*2: | | from +5°C *(+41°F)* to +35°C *(+95°F)* – optimum processing temperature from +18°C *(+64°F)* to +25°C *(+77°F)* | | | |
| Consumption at 1.5 cross coat*3: | | approx. 160 ml/m² | | approx. 150 ml/m² | |
| Layer thickness at 1.5 cross coat*3: | | approx. 60-80 µm | | approx. 30-50 µm | approx. 20-40 µm |
| Drying time*3: | Dust-dry | approx. 30 minutes | | approx. 15 minutes | |
| | Hardened | approx. 24 hours | | approx. 12 hours | |
| | Painted over | approx. 24 hours | | | |
| Abrasion-resistant: | | abrasion-resistant | | abrasion-resistant | abrasion-resistant |
| Cross cutting DIN 53151 / ISO 2409: | | Cross cut characteristic value GT 0 to GT 1 | | Cross cut characteristic value GT 0 | Cross cut characteristic value GT 0 to GT 1 |
| Salt spraying test DIN 50021 / DIN 53167: | | >2.000 hours*4 | | >550 hours | >240 hours |
| Mandrel bend test DIN EN ISO 1519: | | no hair cracking | | | |
| Top coating: | | not required | | | |
| Temperature resistance after complete hardening: | | approx. from -50°C *(-58°F)* up to +300°C *(+572°F)* | | approx. from -50°C *(-58°F)* up to +500°C *(+932°F)* | approx. from -50°C *(-58°F)* up to +300°C *(+572°F)* |
| Storage stability*5: | | 24 months | | | |

*1 Corresponds approximately to the specified RAL colours.
*2 When processing at temperatures below +10°C *(+50°F)*, heat spray cans to room temperature (+20°C / *+68°F*).
*3 Temperature of spray can and the surface of +20°C *(+68°F)* and 50% relative humidity.

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