



ProFLAKE

ProFLAKE® Zn 3000 Zinc Flake Pigments

For Heavy Duty Corrosion Protection acc. to DIN /
ISO 12944 C5 VH and AMPP (SSPC) Paint 29

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ProFLAKE® Zn 3000 enriches the already existing **ProFLAKE®** portfolio of zinc flake pigments as the coarsest grade (D50 of approx. 31 µm).

This makes **ProFLAKE® Zn 3000** especially suitable for use in corrosion protective coatings with dry film thicknesses of > 30 µm, typically used in heavy duty corrosion protection in accordance to DIN / ISO 12944 C5 VH (also CX) and AMPP (SSPC) Paint 29.

In the past, it was mandatory to use zinc rich primers (i.e. zinc dust) to fulfil the requirements of DIN / ISO 12944 C5 VH. A new release of the norm now also allows the use of zinc lamella pigments (= zinc flake pigments).

Thanks to optimized lean production processes, **ProFLAKE® Zn 3000** offers an attractive price-performance ratio. The ideal percolation between the zinc flakes as well as their barrier layer formation ensures perfect corrosion protection performance, providing a clear advantage over zinc dust.

| ProFLAKE® Product | Material # | Supply form | Average D50 | D50 Range |
|----------------------|------------|--------------------------------|-------------|------------|
| NEW: ZN 3000 | 026196... | powder | 31 µm | 25 - 37 µm |
| ZN 2000 | 026143... | powder | 22 µm | 15 - 30 µm |
| ZN 1400 | 026141... | powder | 14 µm | 7 - 21 µm |
| ZN 1590 MS | 026142... | 90% paste in mineral spirit | 16 µm | 7 - 26 µm |

Salt spray test result

Only 1st layer: zinc primer with zinc flakes (**ProFLAKE® Zn 3000**), average dry film thickness: 80 µm

DIN / ISO 12944 C5 VH corrosion protection classification with excellent test results; i.e. creepage at scribe 0.43 mm and 1.00 mm (allowed specification: 2 mm):



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