

PARTICULATE METAL ALLOY COATING
FOR PROVIDING CORROSION PROTECTION

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ABSTRACT

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Coatings containing particulate metal alloy are disclosed. The coatings provide corrosion protection to a substrate, such as a metal substrate. The coatings contain zinc-metal-containing alloy in flake form, most particularly an alloy flake of zinc and aluminum. The coating can be from compositions that are water-based or solvent-based. The compositions for providing the coating may also contain a substituent such as a water-reducible organofunctional silane, or a hexavalent-chromium-providing substance, or a titanate polymer, or a silica substance constituent. The coating may desirably be topcoated.