

Fast-Drying Anticorrosion Coating

Cortec Corp. (St. Paul, Minnesota, USA) unveiled EcoShield 386 FD, a fast-dry version of its water-based micro corrosion inhibiting coating. This new coating combines the worker and environmental advantages of a water-based coating with the outstanding anticorrosion performance of EcoShield 386, resulting in a topcoat that will force dry in 5 to 10 min. This is ideal for manufacturers of pipes, tubes, and other metal components without enough time to cool and dry the coated parts before continuing the production process. The faster drying time of EcoShield 386 FD makes it easier to handle components that need to be processed and stacked or packed right away, reducing or eliminating coating failure and corrosion problems. As a topcoat, it can be applied direct to metal at 1.5 to 3.0 mils (37.5 to 75.0 μm) dry film thickness to provide corrosion protection in harsh, outdoor, unsheltered applications. It contains 0.6 lb (0.3 kg) of volatile organic compounds (VOCs) per gal (72 g/L) and is an excellent alternative to solvent-based and zinc-rich paints. Tel: 1 800-426-7832, web site: www.cortecvci.com.



Surface Treatment with Reduced Cure Temperature



Polymeric, plastic, and composite materials manufacturer Oxford Advanced Surfaces (OAS) (Begbroke, England) has developed Onto EP1132, a new, low-temperature cure of its Onto surface treatment. It can be cured at 80 °C (176 °F), increasing its ease of use with fewer risks, easier handling, and a more efficient process that can be easily integrated into existing painting procedures. As a surface treatment for the painting or lacquering of composites, Onto EP1132 removes the need for sanding or mechanical abrasion and reduces prep time by 90%. OAS's patented Onto chemistry platform delivers a range of versatile and reliable chemical

surface treatments that improve the adhesion of paints and coatings to composite materials and engineering plastics. It is equally effective on materials that are difficult to bond or coat, such as polyamide nylon or polyether ether ketone. In addition, its easy-spray application can access difficult-to-reach areas, such as internal corners, difficult angles, and blind voids. It supports the volume manufacturing of composites in all areas of advanced manufacturing, while also being easy to use with complex shapes. Tel: +44 (0) 1865 854807, web site: www.oxfordsurfaces.com.

Phosphate Ester for Metal Working Formulations

Clariant (Muttens, Switzerland) has launched Hostaphat 1738, a new phosphate ester that blends extreme pressure performance with excellent low-foam and emulsification properties. This new ester can be incorporated into semi-synthetic, synthetic, soluble oil, and straight oil formulations, and its ease of use in these various metal working fluid formulations makes it a prime choice for formulators and production managers. Its superior

sustainability features include 50% bio-based content due to the natural alcohol used and 40% less phosphorous than standard phosphate esters. Based on the manufacturer's low-foam surfactant line, Hostaphat 1738 is formulated to function as an extreme pressure additive that augments the performance of emulsifiers. According to Jeff McManus, North American business director for industrial and consumer specialties, "Hostaphat 1738 has benefits throughout the entire life cycle of the metal working fluid. The foam reduction aids increase throughput, its stability extends the working life of a material, and when it does come time to treat and discharge, the reduction in phosphorus minimizes the environmental impact." Tel: +41 61 469 63 63, web site: www.clariant.com.

Abrasion-Resistant Coating for Food Processing Equipment



A.W. Chesterton Company (Groveland, Massachusetts, USA) added ARC MX FG to its high-performance range of ARC Industrial Coatings, which are designed to help food processing and industrial companies protect equipment and vessels exposed to abrasion from fine particle flow and slurries. This ceramic-reinforced epoxy is a two-part, 100% solids, no-VOC system suited for equipment involved in direct food contact, such as chutes and hoppers, mixers and agitators, transport screws/ augers, and pumps. It can also be used in a wide range of other industries, including mining and ore processing, wastewater, specialty chemical, and pulp and paper. ARC MX FG offers advanced protection over rubber linings and ceramic tile for fine particle wear. "This is a tough,

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