

JEN TEN Water-based Chromium-free Paints

*Eco-friendly paints
tailored for hardware,
parts and fasteners*

by Naiwen Chang,
Fastener World

High-end hardware, parts and fasteners require high strength and excellent anti-corrosion performance, and many companies would opt for electroplating to achieve that. However, products with a chromium content would devastate the environment, and high-end markets in the U.S. and Europe are beginning to look into the environment issues of products. Products stand no chance of entering those markets if they don't meet the standards of environmental protection.

Performance on Par with U.S. Major Brands

Many paints on the market are costly and would require to be purchased in large bulk. To that, Jen Ten developed an alternative that is cheaper with quality and performance parallel with major American and Japanese brands. Take DACROMET for instance, it is very common with great anti-salt-spray performance, but it contains hexavalent chromium. The AFA series developed by Jen Ten does not contain hexavalent chromium and does not cause hydrogen embrittlement. Its base materials can be directly used on metals. The cleaning liquid, recycling liquid and water used in the manufacturing process can be recycled and reused. The fact that AFA series is water-based makes it more eco-friendly. It is comparable to GEOMET and is more price competitive. Jen Ten is by far the only paints company able to compete with the product lines and quality of Japanese companies.

Jen Ten paints come with certificates of authenticity and the materials are imported from Japan, Germany and the U.S. The paints are currently supplied to Taiwan, China, Japan, Thailand, Vietnam and other regions and are popular among overseas clients.



Jen Ten's contact:
Mr. Frank Cheng (General Manager)
E-Mail: jenten.paint@msa.hinet.net

Actively Promoting Eco-friendly Products

It is the sense of responsibility for environmental protection that drives Jen Ten to actively promote water-based paints to offer the fastener industry an additional chromium-free option. Oil-based paints not only emits hazardous substances but also increases shipping and inventory costs due to their risks. JEN TEN paints are designated by numerous domestic and overseas major companies which hope to ensure their products are harmless to the environment and human body and guarantee the health and safety of employees in their work environment.

Highly Customizable Paint Design

Jen Ten has 20 years of experience in the industry to provide highly customizable paint functions and designs corresponding to different performance requests on work piece, hardware and parts.

The advantages include higher mobility, faster troubleshooting, small batch production of diversified products, corrosion resistance, and multi-color availability. Therefore, JEN TEN paints provide smoother painting on parts, compliance to RoHS and REACH certification, and come with inspection reports.

This quality-stringent company has a QA room in its plant for inspection to ensure meeting more than 10 criteria including the following: no paint chip, no recess fill, over 90% shielding at 1C parts centrifugal force, over 100% shielding at 2C parts centrifugal force, acid rain and salt spray resistance. The company guarantees the quality of paints manufactured out of its plants meet the requirement of clients.

Jen Ten is working with National Yunlin University of Science and Technology on product development. Jen Ten's onsite practices are combined with scholars' knowledge and high-tech precision equipment to co-develop technology and inspection. In the future the company hopes to build comprehensive paints that are workable at lower temperatures, that are water-based and resistant against salt spray, acid and alkali, so that the paints can be applied to more parts. ■

