

US Army - Vehicles - United States of America

The US Army has done comparative testing of different anti-corrosion products for the treatment of army vehicles. The tests were performed by the US Army Tank Automotive Command (TACOM) in Hawaii in 1995.

Zingametall was the only non-American company that was chosen for these tests.



System :

ZINGA 1 x 50 μ m
(or 1 x 2 mills)

Pu Camouflage Paint

FIELDIED FLEET CORROSION CONTROL PROGRAM

VOLUME I: Final Report

Submitted to:

UNITED STATES ARMY TANK
AUTOMOTIVE COMMAND
(TACOM)

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In the final report of the tests, dated 22/07/97, of which you see an extract here, is stated that ZINGA is one of the few products that have passed the test and that are chosen because they are at least 30 % better than all other anti-corrosion products.




These few chosen products have different purposes and are in fact not direct competitors. Carwell is an inhibitor spray, Sulzer Metco and Tafa are epoxy paints.

Table 8: Results of Application of Coatings and Processes

Company	Summary of Results for Operational Test in Hawaii
CarWell	This product has been approved for the inside of doors and wheel wells of trucks. Overspray of this product does not affect the infrared reflectance (IR was in the approved range). Overall product performance was well above 30% in corrosion protection. Additionally, the movement of corroded hinges and rusted moving parts was restored to full operational condition with application of this product.
Sulzer Metco	Product proved to be at least 30% improvement in corrosion protection.
Tafa	Product proved to be at least 30% improvement in corrosion protection.
Zingametall	Product proved to be at least 30% improvement in corrosion protection.

ZINGA has been classified by the US Army under the Military Specification Number (MSN) MIL-P-210 35. This classification is based on the test report issued by the University of Gent, Belgium, on 21/10/86, concerning the galvanic protection offered by ZINGA on top of hot-dip galvanisation. The MSN MIL-P-210 35 concerns high quality zinc dust for paints that are used for the repair of galvanisation by hot-dip.



Corrosion Prevention & Control Update

A Bulletin Dedicated to the
Establishment and Operation of an Aggressive Corrosion Prevention Control Program

In 1995, Battelle Corporation scientists updated a joint Battelle - National Institute of Standards 1978 report entitled "Economic Effects of Metallic Corrosion in the United States". In that update, it was estimated that corrosion of metal costs the United States economy almost \$300 billion per year. It was also suggested that one-third of these costs could be reduced by broader application of corrosion resistant materials and the application of best corrosion-related technical practices. The bottom line conclusion based on the current contract efforts and a decade of corrosion specific research and testing, is that the United States Army can save over 30% of its current corrosion related annual costs. This can be accomplished through continued aggressive implementation of recently adopted Army Material Commands (AMC) corrosion prevention control practices and application of commercially available corrosion protection technologies.

Extracted from the Fielded Fleet Corrosion Control Program Report, 1997

The purpose of the Corrosion Prevention & Control Update is to make important product information available to you about the approved

commercial sources referred to in the referenced study. The data provides information about commercial vendors, which are approved and available for providing information and products. The vendor information, here in, is provided in alphabetical order, with no preference given or inferred. Each company participated in the Fielded Fleet Corrosion Control Program and was chosen as an approved vendor for corrosion products and applications.

Commercial Vendor List

- **Carwell Products Inc.**
275 cooper Avenue, Suite 105
Tonawanda, NY 14150
(716) 877-2363 or 1-800-856-6798
Fax: (716) 877-2364
POC: Barry O'Halloran/ Bill Balcom
Bill@carwell.com
- **Sulzer Metco**
1101 Prospect Avenue
Westbury, NY 11590-0201
(516) 338-2303
Fax: (516) 338-2134
POC: Peter Foy/Patty Cook
- **Tafa** - Midwest Thermal Spray
2013 Marie Street
Westland, MI 48185
(313) 729-2990
Fax: (313) 729-2992
POC: Thomas Gross/Michael Poe

The "Corrosion Prevention and Control Update", issued in 1997, describes the US Army research to reduce the costs spent on anti-corrosion protection with 30%. Included is a list of approved vendors, amongst which Zingametall.

Vendor List Continued.

- **Zingametall**
Industriepark VENECO
Rozenstraat, Belgium
09 385.68.81
Fax: 09 385.58.69
POC: Piet Van Riet

Vendor Products/Applications

Carwell Products, Inc.
Corrosion Inhibitor Spray (MSN 8030-01-389-1413) - This product has been approved for the inside of doors and wheel wells of trucks. A spray of this product does not affect the infrared reflectance. Overall product performance was above 30% in corrosion protection. Additionally, the movement of corroded hinges and other moving parts was restored to operational condition with this product.

Metco
Arc Spray System, Flame Zinc/Arc Sprayed Zinc
Performance of metallized zinc spray to be well above 30% improvement in performance as a corrosion resistant application. This product has been approved for use on the exterior of vehicles.

United States

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IMMC

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USATACOM
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DSN 786-8496/8900
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approved for use on the exterior of vehicles.
Zingametall
Zinc Rich Coating - The performance of this zinc rich coating also proved to be well above the 30% improvement in corrosion protection. This product has been approved for use on the exterior of vehicles.

Points of Contact

