

## VEHICLES – US ARMY – USA

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 µm DFT  
 (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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Submitted by:

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In the final report of 22-07-1997, of which you see an extract here, it 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 used TSZ.

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 October 21, 1986, 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 hot-dip galvanisation.



## 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

*Vender List Continued.*

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

approved for use on the exterior of vehicles.

**Vendor Products/Applications**  
**Carwell Products, Inc.**

Corrosion Inhibitor Spray (NSN 8030-01-389-1413) - This product has been approved for the inside of doors and wheel wells of trucks. Over spray of this product does not affect the infrared reflectance. 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.

**Zingametal**  
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**

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**Sulzer Metco**

Metallizing Spray System, Flame Sprayed Zinc/Arc Sprayed Zinc - The performance of metallized spray proved 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.

**Tafa**

Metallizing Spray System, Arc Sprayed Zinc - The performance of metallized spray proved to be well above 30% improvement in performance as a corrosion resistant application. This product has been

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 **Zingametal**.