

## LEGERVOERTUIGEN – US ARMY – VERENIGDE STATEN

Het leger van de VS heeft vergelijkende tests uitgevoerd van verschillende anti-corrosieproducten voor de behandeling van legervoertuigen. De testen werden in 1995 in Hawaï uitgevoerd door de **Tank Automotive Command (TACOM)** van de VS.

**Zingametall** was het enige niet-Amerikaanse bedrijf dat uitgekozen werd voor deze tests.



**FIELDIED FLEET CORROSION CONTROL PROGRAM**

VOLUME I: Final Report

Submitted to:

**UNITED STATES ARMY TANK  
AUTOMOTIVE COMMAND  
(TACOM)**

DATE: July 22, 1997  
CONTRACT NO: DAAEO7-93-C-R117 Mod P0001

Submitted by:

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**System:**

**ZINGA** 1 x 50 µm DFD  
(of 1 x 2 mills)  
**Pu Camouflageverf**




In het eindrapport van deze tests, daterend van 22/07/97 en waarvan u hier een uittreksel ziet, wordt verklaard dat **ZINGA** één van de weinige producten is die de test hebben doorstaan en die gekozen werden omdat ze minstens 30% beter zijn dan alle andere anti-corrosie producten. Dit klein aantal verkozen producten hebben een verschillend doel en zijn dus geen directe concurrenten. Carwell is een inhibitor spray, Sulzer Metco en Tafa gebruikten schooperen.

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** werd door het leger van de VS ingedeeld onder het **Military Specification Number (MSN) MIL-P-210 35**. Deze classificatie is gebaseerd op het testrapport uitgevaardigd door de Universiteit Gent, België op 21/10/86, aangaande de galvanische bescherming van **ZINGA** op thermische verzinking. Het **MSN MIL-P-210 35** gaat over zinkstof van hoge kwaliteit voor verven die gebruikt worden voor retouchering van thermische verzinking.



## 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

De "Corrosion Prevention and Control Update", uitgevaardigd in 1997, beschrijft het onderzoek van het Amerikaans Leger om de kosten voor anti-corrosiebescherming te verminderen met 30%. Bijgevoegd is een lijst met goedgekeurde verkopers, onder wie **ZINGAMETALL**.

*Vender 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 (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.

**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

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**

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