

VÉHICULES – ARMÉE AMÉRICAINE – ÉTATS UNIS

L'armée Américaine a fait des tests comparatifs de différents produits anti-corrosifs pour le traitement de ses véhicules.

Les tests ont été faits par la « US Army Tank Automotive Command (TACOM) » à Hawaii en 1995.

Zingametall était la seule société non Américaine sélectionnée pour ces 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:

Materials Modification, Inc.
2929 P-1 Eskridge Road
Fairfax, VA 22031

PI: T. S. Sudarshan - Ph.D.
API: Donald A. Tapscott
API: Tammy L. Oreskovic

Système:

ZINGA 1 x 50 µm EFS
(ou 1 x 2 mills)
Peinture Camouflage P.U.

Dans le rapport final de ces tests, du 22-07-1997, il est mentionné que le **ZINGA** est l'un des rares produits qui a passé le test et qui a été sélectionné grâce à sa performance d'au moins 30% plus élevée que tous les autres. Les autres produits sélectionnés étaient différents et ne sont pas des concurrents directs au **ZINGA**: Carwell est un aérosol inhibiteur, Sulzer Metco et Tafa utilisaient la projection thermique.




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.

Le **ZINGA** a été classé par l'Armée Américaine sous le **Numéro Spécification Militaire (MSN) de MIL-P-210 35**. Cette classification est basée sur un rapport d'un test fait par l'Université de Gand, en Belgique, le 21-10-1986, concernant la protection galvanique offerte par **ZINGA** sur une ancienne galvanisation à chaud.

Le **MSN MIL-P-210 35** est une spécification pour la réfection de la galvanisation à chaud avec des produits à haute teneur en zinc.



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

United States

Mr. Donald Tapscott
Materials Modification Inc
2929 Eskridge Road
Eskridge Centre, Merrifield
Laboratory/Suite P1
Fairfax VA 22031
(703) 560-1370 Ext. 12
Fax: (703) 560-1372

IMMC

Ms. Mary Grzenkowitz or
Mr. Gene Teufel
USATACOM
ATTN: AMSTA-IM-HHH
Warren, MI 48397-5000
(810) 574-8496/8900
DSN 786-8496/8900
Fax: (810) 574-7510

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

La revue "Corrosion Prevention and Control Update", éditée en 1997, décrit la recherche de l'Armée Américaine afin de diminuer les coûts de traitements anti-corrosion de 30%. Une liste de fabricants approuvés mentionne également **Zingametal**.