



# AUM DACRO COATINGS

*A leading ZINC FLAKE jobwork coating service provider in India.*



**QUALITY IS  
OUR PRIDE**

## Introduction

Aum Dacro Coatings is the largest zinc flake job coater in India. At Aum Dacro Coatings, Quality is our motto.

Aum Dacro Coatings is an ISO 9001:2015 and IATF 16949:2016 certified organisation dedicated to working with leading industries to provide eco-friendly coating services to prevent the onset of corrosion, extending the life of the product and therefore increasing customer satisfaction. We have state of the art coating and testing facilities having a capacity of upto 3000 metric tonnes/month. We are based in different locations in India providing Zinc Flake Coating services. Our coating solutions are accepted by all major sectors like Automotive, Wind Energy, Railways, Solar, Construction Industries etc.

## Vision

To be the leading job work service provider in India and other Asian countries in the field of Zinc Flake Coatings along with other new emerging coating technologies, catering to Automotive, Defence, Aerospace, Wind Energy, Railways and Construction sector.

## Mission

To provide consistent and quality product thus giving recognition to job work coating service provider.

## Our Certifications



ISO 9001:2015  
Certified  
All Units



IATF 16949:2016  
Certified  
Unit 1

## Support/Partnership



### NOF METAL COATINGS, Japan

NOF METAL COATINGS Japan develops, produces and sells the zinc flake technologies GEOMET<sup>®</sup> through license agreements. They ensure a high level of corrosion protection at low dry-film thickness.



### MC Systems, Japan

Founded in 1974, has developed numerous indigenous and multifunctional topcoat that provide corrosion resistance and friction coefficient stabilization function.



### FUCHS, Germany

Founded in 1931, the FUCHS Group has grown to become the largest independent manufacturer of specialty lubricants in the world. Recognized internationally for its innovative lubricants and industry related specialty products.

## Coatings

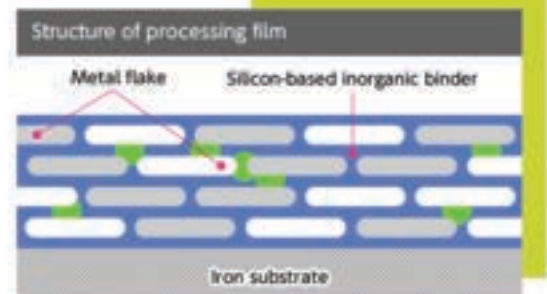
### GEOMET<sup>®</sup> & Its Topcoat

#### Basecoat

GEOMET<sup>®</sup> coating film has a silver-metallic look. Layers of metal flakes are connected with one another through the use of special inorganic binder.

#### Topcoat

Plus series add new characteristics to GEOMET<sup>®</sup> coatings and improving various coating performance. Topcoats are also friction coefficient stabilizers. Topcoats are available in various colours.





## Torquer Series

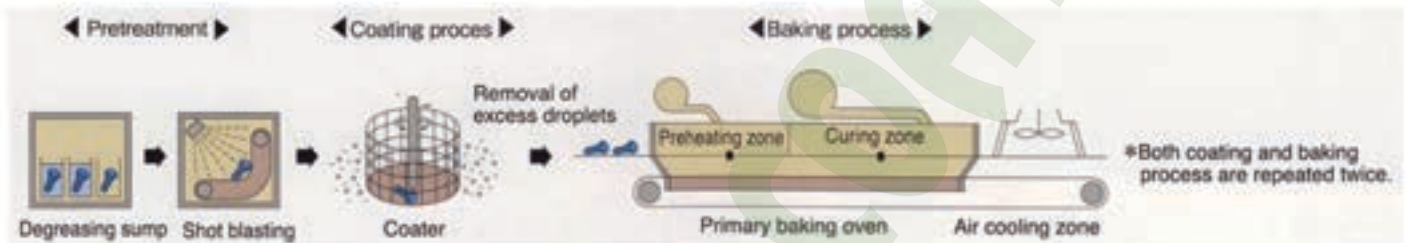
Torquer Series is used to stabilize the coefficient of friction and exert an appropriate tightening axial force.



## Solid Films and Dry Films Lubricants

MoS<sub>2</sub> and PTFE based coating for reducing/controlling coefficient of friction along with enhanced corrosion protection. For e.g fasteners automotive components, engineering components, o-rings, etc.

## Coating Infrastructure



## Degreasing

It is necessary to remove the soil from the parts as treating material which may have some oils while processing, rust prevention oil for protecting the rust before GEOMET®



## Blasting

The purpose of blasting is to expose metal surface of base material by removing inorganic soil, rust and scale from the part surface by mechanical force.

There are various types of blasting machines used for different types of products:



Hanger type shot blasting



Tumble Type Shot blasting



Table Type Shotblasting



Sandblasting



## Cold Room

Well equipped and maintained coating chemicals in desired condition in storage room.



## Coating

The purpose of this process is to apply enough zinc and aluminium flake paint on the parts surface with uniformity.

The process is largely classified into the following types:

### A. Spray Method

#### Spray Coating



##### Automatic Spray

In this process chemical is sprayed under the pressure of atomizing air. It can be carried with pneumatic air guns or electrostatic equipment.



##### Basket Spray

In this process chemical is sprayed in continuously rotating basket.

### B. Dip-spin Method

Application to bulk quantity (dip-spin) is carried out in baskets which allow eliminating the excess liquid on the surface of the parts and improving the distribution of the coating.



## Curing

GEOMET<sup>®</sup> film is formed by heating up the metal surface coated with GEOMET<sup>®</sup>. The curing process of GEOMET<sup>®</sup> is performed in 2 stages i.e. vaporising water and organic solvent and undergoing film form reaction.



## Final Inspection

In this stage 100% inspection takes place for coating defects. The approved material is packed as per customer packing standard.



## DOJO ROOM - For employee skill development



## Testing Facilities



Salt Spray Test



XRF Machine



Advanced Optical Digital Microscope



LAB batch Oven



Lab Coater



COF Testing Machine

## Application



Ball Stud



U Bolt



Fasteners



Spring



Weight Balance



Circlip



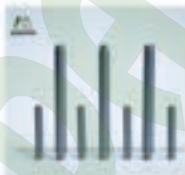
ABS Ring



Drum Brake



Sheet Metal



PIN



Orings



Clamps



Nut Plate



Bush

## We are taking care of

## Environment



Proper disposal of waste as per Govt. standards through ETP Plant.



Water recycling and reuse (zero liquid discharge in Unit 4 plant)



By using rainwater-harvesting technology, in Unit 4



## OEM Approvals

### Automotive



### Railway



### Windmill



### Agriculture



### Others



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