



## **MetalFace Co., Ltd.**

Hanmir 303, 365, Sinseon-ro, Nam-gu, Busan, Korea  
Tel: +82-52-263-7071 Fax: +82-52-263-7069  
E-mail: metalface@metalface.co.kr

*"Be with you!  
Go with you!  
Share with you!"*

## **ZINC FLAKE & SOLUTION**





Be with you!  
Go with you!  
Share with you!

MetalFace Co., Ltd which provides pigments and binders used in anti-corrosion coatings, offers the best solution regarding all products and companies that need our performance of anti-corrosion. All of our products are consisted of eco-friendly materials and the latest manufacturing technique, and we promise to deliver the highest quality based on our own technique accumulated over the years.

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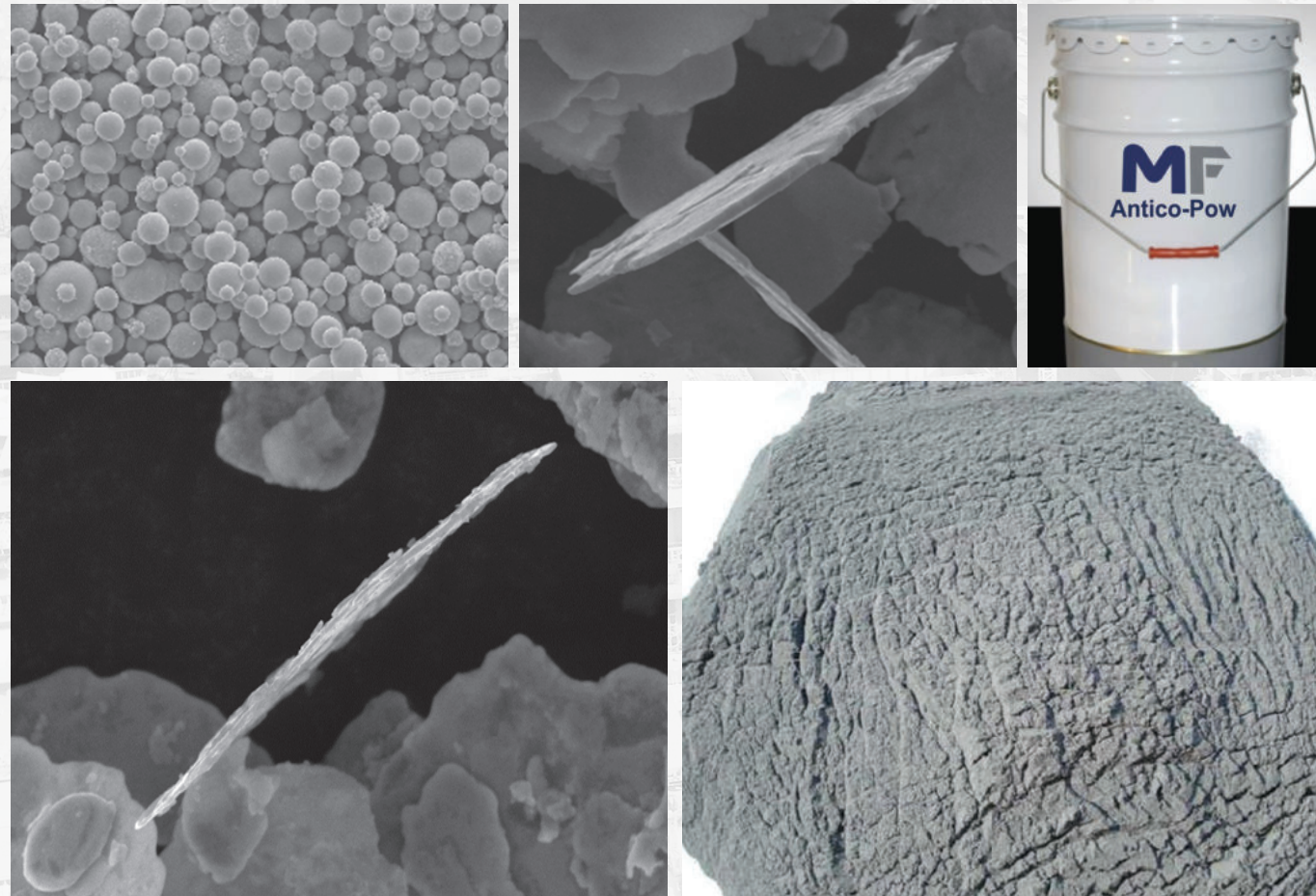
# Main Products & Product Application

## Zinc Flake Products & Water-Soluble Type of Coating Products

### Zinc Flake Products

#### ANTICO Powder

- Zinc Flake
- Produced from Zinc Dust used as a Pigment for Anti-Corrosion Paint
- Metal Powder Produced as a Flake Type through Precise Milling Technology
- Price Superiority, Capacity, Higher Quality than Previous Products



Size 15 ~18um  
 Thickness 0.3um  
 Bulk Density 0.9 ~1.0  
 Silver Color Powder  
 18kg, Pail Can Packing  
 20~40kg, Open Drum Packing

### Water-Soluble Type of Coating Products

#### COATING Solution

- Applied to the Water-Soluble, Eco-Friendly Anti-Corrosion Coating, Widely used as Eco-Friendly Surface Treatment Skills
- More Economically and Better Protection Compared with Existing Hot Dip Zincing, Electrical Zincing
- Automotive Parts, Paint for Anti-Corrosion of Steel Bridge, Claddings of Paints for Building, Shop Primer etc.



Eco-Friendly, Water-Soluble Coating  
 VOC Free  
 20L, 170~180L, Drum Packing  
 2-Components(A Sol, B Sol)  
 1-Component is Possible



# Main Products & Product Application

Zinc Flake Products & Water-Soluble Type of Coating Products

Shipbuilding / Heavy Industry / Steel / Construction / Container Industry Related to Anti-Corrosion Paint



Dacro Coating or Automobile Parts



Electronic Material or Construction



Product Application



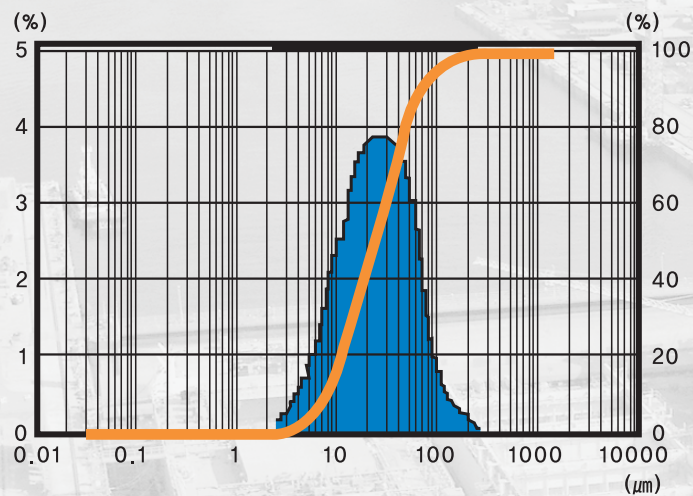


# Features of Zinc Flake Products

ANTICO- Powder

## ANTICO Powder

- Low H<sub>2</sub> Gas Generation Rate
- Comparison with Competitors
  - Equal Performance in Terms of Average Size, Thickness, Specific Gravity
  - Comparative Advantage in Terms of Formation and a Competitive Price



Test Item	Specification	Unit	Test Method	Test Result
Color	Silver		Visual	Silver
Moisture	Max. 0.05	%	ASTM D521	0.03
Particle size	16.0 ~ 20.0	μm	PSA	17.15(d<50)
Total Zinc	Min. 97	%	ASTM D521	98.22
Bulk density	Max. 3.0	g/ml	ASTM D153	1.0
AVG thickness	0.3 ~ 0.5	μm	SEM	0.35

# Features of Water-Soluble Coating Solution

ANTICO- Solution

## ANTICO Solution

- No Toxic Material, No VOC(Water based)
- Chrome free(No Hexavalent and Trivalent)
- Mono-Fluid Type, High resistance to scratch and wear
- Excellent protection from salt-spray corrosion test
- Superior corrosion resistance in most rural, industrial, marine nuclear environments.
- Heat resistance up to 300°C, Good thermal shock resistance
- No hydrogen embrittlement by the coating process

Classification	Product Name	Property	Remark
ZINC FLAKE	MF-ZF-S	Surface Treatment, Bright Silver, D50 > 15~16μm	ZINC FLAKE can be used alone, Non-Cr type, Paint
	MF-ZF-P	Bright Silver, D50 > 15~16μm	ZINC FLAKE can be used alone, Non-Cr type, Paint
	MF-ZF-D	Silver, D50 >15~16μm	AL mixed used, Non-Cr type
	MF-ZF-I	Average Size >18μm	AL mixed used, Non-Cr type
Coating Solution	MF-ZACOT	Natural Drying (15~30°C X 1hour), Heat Drying (90°C X 20min)	For Dip-spin coating, Spray coating, Viscosity control
	MF-SR	Curing Temperature (100°C X 15min)	For Spray coating, Viscosity control
	MF-SL	Curing Temperature (350°C X 10min)	For Dip-spin coating
	MF-SM	Natural Drying (15~30°C X 3hour), Heat Drying (170°C X 10min)	For Anti-Corrosion paints, repair paints
Aluminum Flake	MF-TOP	Transparent Top Coat (2~3μm), Natural Drying (15~30°C X 3hour), Heat Drying(170°C X 10min)	Colorless, Control of Friction Coefficient, Surface Subsequent
	MF-AL	Average Size 8~10μm	Non-Cr type





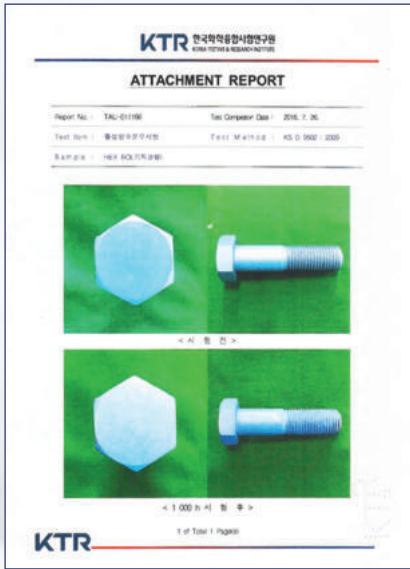
# Certificates



• Daemochem (SST)

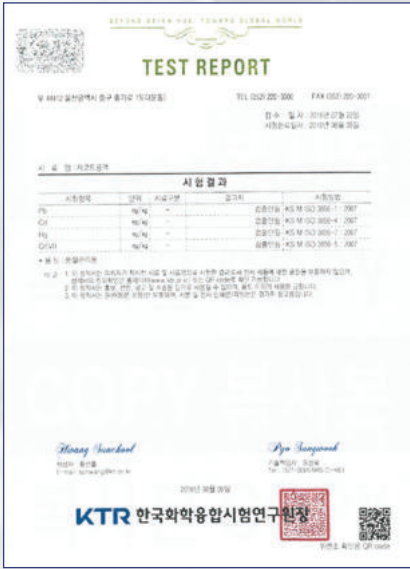


• KoreaMetalCoating (SST)



• JUNGSA.CO (SST)

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• Heavy Metal Analysis



• VOC Contents Analysis



# A Rough Map



부산광역시 남구 신선로 365 부경대학교 용당캠퍼스 한미르관 303호  
Hanmir 303, 365, Sinseon-ro, Nam-gu, Busan, Korea