

ISO 9001 : 2015

Certified Company

Our Motto:

Commitment to Quality and Customer Care



www.mepco.co.in

The Metal Powder Company Limited

Maravankulam, Thirumangalam- 625706 Madurai Dist., Tamilnadu, India

Phone: 04549-350499, 280376, 280595

Email: info@mepco.co.in Website: www.mepco.co.in

Contact us

Manufacturing Units:

The Metal Powder Co.Ltd: 82709 90007

Madhya Pradesh Metal Powders: 73892 53483

Mepco Speciality Products: 91599 90863

Nalco Metal Products: 97866 66277

Aluminium Powder Company Ltd: 97865 11995

This information and our technical advice, whatever verbal, in writing or by way of trails, are given in good faith but without warranty and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and therefore, entirely your own responsibility.

1000 - ZF / COA .CAT / 2025



ZINC FLAKE

THE METAL POWDER COMPANY LIMITED

Manufacturer of metal powders & pastes

LAMELLAR ZINC PIGMENTS



Spherical zinc particles have been used in anticorrosive coatings for several decades, representing a highly detailed and regulated technology with limited room for innovation.

In an effort to enhance property performance across various applications, MEPCO has challenged the established zinc dust primer industry by introducing an innovative zinc flake product. This redefines corrosion protection by optimizing zinc utilization while maintaining exceptional performance in industrial coatings.

ZINC FLAKE BY MEPCO

Environment Benefit

Lower Zinc content in coating formulation reducing mining extraction consumption – Minimizing Carbon footprint
Environmentally friendly compared to Zinc electro deposition

Technical Performances

Improved corrosion performances due to flake morphology – Sacrificial and Barrier protection
No hydrogen embrittlement when compared to Zinc electro deposition

Commercial Aspects

Streamlined supply chain incorporated optimised price structure, warehousing and logistic .
Quality management ISO certified

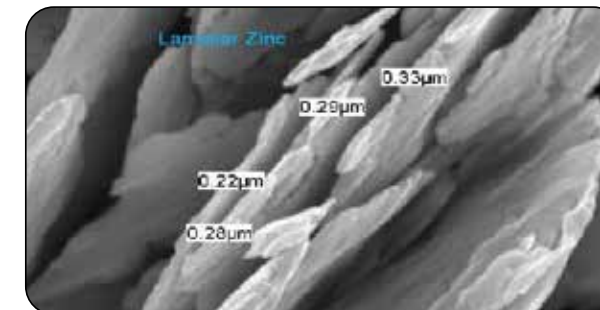
ANTICORROSION STANDARD COMPLIANCE USING MEPCO ZINC FLAKE



STANDARD	REGION	DESCRIPTION
IS 4759	India	Requirements for Corrosion protection
ISO 12944	Europe	Corrosion Protection of Steel Structures
NACE SP0178	North America	Ensure optimal Corrosion resistance
ASTM D7091	North America	Standard guide for Corrosion protection
JIS H8601	Japan	Demonstrate Corrosion Resistance
GB / T 9753	China	Relevant Corrosion protection

PRODUCT GRADES

TYPE	Volatile (%) - ISO 1247	Solvents	Sieve Analysis (%) - ASTM 185	D50 (micron) - Malvern 3000
Dried Powder Flakes				
F 7512	nil	nil	<45 / 96 min	20
ZF15	nil	nil	<45 / 95 min	10 to 16
ZF20	nil	nil	<45 / 95 min	18 to 25
Pasted Flakes				
ZT 7512	30 max	Mineral Spirit	> 45 / 10 max	14 to 20
ZP15	15 max	Mineral Spirit	>45 / 3 max	13 to 17
ZP5	15 max	Mineral Spirit	>45 / 3 max	10 to 14
Zinc Alloys (Al, Sn, Mg, Ni) - Dried Powder Flakes - Pasted Flakes - In development				



TYPICAL MEPCO ZINC FLAKE MICROGRAPH



TYPICAL FASTENER DIP SPIN COATING –
8 MICRONS