

ECOMET SOLVENT BASE COATING SERIES

ECOMET TITANIUM COLD DIP GALVANISING (CDG)

CDG has Zinc and Nano Carbon Crystals to form 60-80 microns thickness for threaded hardware. The coating is applied by dip spin or spray method. This is an ideal alternative for HDG and mechanical galvanizing. No gauge fitment issues or re tapping required for threaded hardware.

Duplex coating system which comprises of 2 coats of CDG base plus 1 sealer top coat.

Bolt:



Packaging:



Characteristics:

- I Colour : Zinc Grey
- I Application viscosity : 30 – 35 sec. on Zhan cup 2 for Dip-spin & 25 – 30 for Spray application.
- I Thickness : 50-60 μ
- I Application Method: Dip/Spin, Spray
- I Thinner: Ecomet solvent 2755 UT
- I Curing : 30min. at 220 deg C
- I Chrome content : Nil

After application on substrate:

No	Name of Test	Procedure	Results	Comment
PHYSICAL TESTS				
01	Coating Layer Thickness		50-60 Micron	By Thickness Gauge
02	Adhesion	ISO-10683	Pass	7Nm/12mm ²
03	Hardness of Film	Pencil Test	>4 H	
CHEMICAL TESTS				
01	MEK	20 Rub	Pass	
02	Copper Sulphate by dipping	4 times	Pass	
PERFORMANCE TESTS				
01	SST	ASTM B117	Pass 1500 Hour	Alternate to HDG
02	Visible White Rust		100-300 Hours	No white rust above 300 Hours

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ECOMET CORUNDUM

Our Solvent Based- Base Coat comprises of Zinc and Aluminium Flakes combined with Corundum and other nano crystal carbon material to form a thin anti corrosive film. The coating is a single pack system. The coating is applied by dip spin or spray method.

It is a cost effective and superior corrosion protection system with resistance to Auto Fluids & chemicals providing SST of 1200Hrs+.

Bolt:



Drum:



Characteristics:

- | Colour : Silver Grey
- | Application viscosity : 40 – 45 sec. on Zhan cup 2 for Dip-spin & 25 – 30 for Spray application.
- | Thickness : 8-12 μ
- | Application Method: Dip/Spin, Spray
- | Pre treatment: Degreasing & Shot blasting
- | Thinner: Ecomet solvent 2755 UT
- | Sacrificial behavior: Yes
- | Curing : 30min. at 220 deg C
- | Cof : 0.12 -0.18 μ tot
- | Chrome content : Nil

After application on substrate:

No	Name of Test	Procedure	Results	Comment
PHYSICAL TESTS				
1	Coating Layer Thickness		8-12 Micron	By Thickness Gauge
2	Adhesion	ISO-10683	Pass	7Nm/12mm ²
3	Hardness of Film	By pencil	>5 H	
CHEMICAL TESTS				
1	MEK	20 Rub	Pass	
2	Automotive Oil & Fuel Tests	Dip	Pass	
PERFORMANCE TESTS				
1	SST	ASTM B117	Pass 2000 Hours	SGS Test Report
2	COF Test	ISO16047	0.15 +/- 0.03 tot	
3	5 times Torquing & SST	ISO16047	Pass 1200 Hours	Pass after 5 times torquing