



By:  EFFCO
Smart Coating Technology

ECOMET SOLVENT BASE
Coating series

ECOMET TITANIUM
COLD DIP GALVANISING (CDG)

CDG has Zinc and Nano Inorganic Polymer 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 bade plus 1 sealer top coat.

Bolt:



Packaging:



Characteristics:

Color: Zinc Grey
Application viscosity: 30- 35 sec.
(Zhan cup 2): Spray 25-30 sec
Thickness: 50- 60 μ
Application method: Dip/Spin, Spray
Thinner: Ecomet solvent 2755 UT
Curing: 10- 30 min. at 200- 220 deg C
Chrome content: None

After application on substrate:

| # | Name of test | Procedure | Results | Comment |
|-------------------------|----------------------------|-------------|----------------|-------------------------------|
| <i>Physical test</i> | | | | |
| 1 | Coating Layer Thickness | | 50- 60 Micron | By thickness gauge |
| 2 | Adhesion | ISO- 10683 | Pass | 7Nm/12mm ² |
| 3 | Hardness of film | Pencil test | >4 H | |
| <i>Chemical test</i> | | | | |
| 1 | MEK | 20 Rub | Pass | |
| 2 | Copper sulphate by dipping | 4 times | Pass | |
| <i>Performance test</i> | | | | |
| 1 | SST | ASTM B117 | Pass 1500 Hour | Alternate to HDG |
| 2 | Visible white rust | | 100- 300 Hours | No white rust above 300 hours |