ARAMFIX
YOUR GLOBAL FASTENER SUPPLIER

Ecomet CORUNDUM DATA SHEET

INDUSTRIAL COATINGS

Chromium free Zn-Aluminium flake coating system with integral lubricant as per ISO – 10683 -2018 for metal corrosion protection.

Physical properties	Units	Ecomet CORUNDUM
Colour:		Silver grey
Theoretical coverage:	m2/kg/ 10µ	10- 12
Viscosity (Zhan Cup 2)	Seconds	30- 40
Solids (By Weight):	%	55 - 60
Density:	Gms/cc	1.40 +/- 0.05
Flash point	°C	30
COF		N.A.

Application	
Substrate	Any metal substrate except high copper containing alloys
Surface preparation:	Substrate must be dry and free from dust and grease. Acidic/basic impurities and particularly salts must be avoided.
Possible Pre-treatment:	Degreasing, blasting with proper blasting mediums, fine-crystalline zinc phosphate
Application Method:	Dip / Spin, Dip, Spray etc.
Filtration:	100 mesh stainless steel Sieve
Application viscosity:	30 - 35 Seconds on Zhan Cup 2 for Dip-spin & 20- 25 for spray application
Recommended DFT:	8 - 12 µ
Thinner:	Ecomet Solvent 2755 UT
Thinner addition:	2 – 5 % by weight
Flash Off:	5-10 min. at 100-120°C. If humidity is high, put in oven immediately
Curing (metal temp.):	10 – 30 min. at 200 – 220 °C

- Physical constants are averages and are not to be used as product specifications. They may vary up to 5 % of the values shown are specifications representative for the process capability.
- Storage life is 6 months at 20-25°C
- For more information on health & safety refer to the Material safetydata sheet for handling and applying.

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COATING TEST SUMMERY

PHYSICAL TESTS OF LIQUID PAINT

No.	Name of Test	Procedure	Results	Comment
01	Viscosity	By Zhan Cup no 2	30-40 seconds	
02	Solid Content	By weight	55-60%	

AFTER APPLICATION ON SUBSTRATE: PHYSICAL TESTS

No.	Name of Test	Procedure	Results	Comment
01	Thickness		8-12 Micron	By Fischer Dual scope
02	Adhesion	ISO-10683	Pass	7Nm/12mm2
03	Hardnessof Film	Pencil test	> 5H	

AFTER APPLICATION ON SUBSTRATE: CHEMICAL TESTS

No.	Name of Test	Procedure	Results	Comment
01	MEK	20 Rub	Pass	
02	Acid test -2PH	Dip	Passes (30 sec)	
03	Oil and Fuel Tests	Dip	Pass	

AFTER APPLICATION ON SUBSTRATE: PERFORMANCE TESTS

No.	Name of Test	Procedure	Results	Comment
01	SST	ASTM B117	Pass 2000 hour	Test Stopped
02	Damru Test (to check handling damages)	100 times shaking	Pass	Damage check
03	5 times torquing	ISO16047	Pass 1200h SST	SST After 5 times torquing
04	COF test	ISO16047	Pass	
05	Drilling into ACQ wood	2 times	Pass SST 600h	Test for self-drilling screws
06	Coating scrubbing by sharp knife (removal of layer)	0.5mmX50 MM area	Pass SST over 600h	Test for handling and assembly damages
07	Deep Cut by Paper cutter (to check self-healing)	Forceful manual deep cut metal	No red rust after 1200h	Self-Healing