
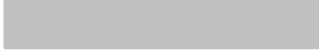




## Technical Data sheet

Revision Date : 05/2013

Rev No.: 1

Chemical Name	Copper Chromite Black Spinel
Color Index	C I Pigment Black 28
C.I . No.	77428
CAS No.	68186-91-4
Chemical Composition	Cu/Cr Oxide
Model No.	JF-A2854
Color Reference	Mass Tone 
	Tint Tone 1:4 

### Regulations

EU RoHS Directive 2011/65/EU	Compliant
EN71Part 3:1994 (A1:2000/AC2002)	Compliant
US FDA 21 CFR 177.1520	Compliant
ASTM F963-08 (Clause 4.3.5)	Compliant
REACH	Compliant

### Physical Properties

### Fastness Properties

Appearance	Reddish black powder	Heat resistance (°C) ≥	750
crystal form	Spinel Pattern	Light fastness (grade 1-8 )	8
Mean particle size μm	≤1.5	Weather fastness (grade 1-5 )	5
Moisture Content	≤0.2%	Acid Resistance (grade 1-5)	5
Water soluble salt	≤0.3%	Alkali Resistance (grade 1-5)	5
Oil Absorption g/100g	12-22		
PH Value	4.8-5.6		

### Suggested Application

- 1) Paints,coatings: Exterior coating, fluorocarbon coating,industrial coating ,aerospace and marine coatings ,automotive coating,decorative coating,camouflage coatings, coil coating ,road marking paint ,rock frescos coating ; powder coating ,oily paint ,water-based paint ;light-resistance paint,weather-resistance paint, Uv coating,high-temperature paint...etc.
- 2) Plastic: PVC, engineering plastic, masterbatch...etc.
- 3) Glass : Technology glass ,colored glass,glass lamps...etc.
- 4) Ceramics:Daily-use ceramics ,architectural ceramics,ceramic works ,engineering ceramics...etc.(on-glaze, under-glaze)
- 5) Enamelware :Daily-use enamelware ,industrial enamel, architectural enamelware...etc.(on-glaze,under-glaze)
- 6) Inks : Colored inks ,watermark inks,concave-convex inks...etc.
- 7) Building material:Colored sand ,concrete...etc.