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# METALLIC PIGMENT

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## COMPANY OVERVIEW

Zhangqiu Metallic Pigment Co., Ltd. was founded by Mr. Liu Enwei in 1987. "Silver Rocket" brand aluminium pigment was exported to more than 40 countries. We own 6 factories in China including 4 for aluminum pigment and 1 for aluminum powder. In 2019, we acquired Suzhou Diamond Metal Powder Co., Ltd. equipment and built 1 bronze powder factory. Now, "Silver Rocket" is the sole manufacturer in China who can produce silver and gold metallic pigment. We are moving to the top of the industry.

Below are our advantages.

- ※ Silver Rocket is the manufacturer with more than 30 years production experience.
- ※ We have 6 manufacturing plants covering total area of 170,000 square meters.
- ※ Aluminum paste and powder production capacity is 20000 tons/Y, bronze powder is 1500 tons/Y.
- ※ Many multi-national companies have cooperation with us. Quality is guaranteed.
- ※ Own aluminum powder production facilities, produce raw material by ourselves.
- ※ Over 50 professional R&D technicians to research new product and provide technical service.
- ※ REACH full registration, ISO9001:2015, ISO14001:2015 and OHSAS18001:2007 certified.





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# AUTOMOTIVE SPECIALITY ALUMINIUM PASTE

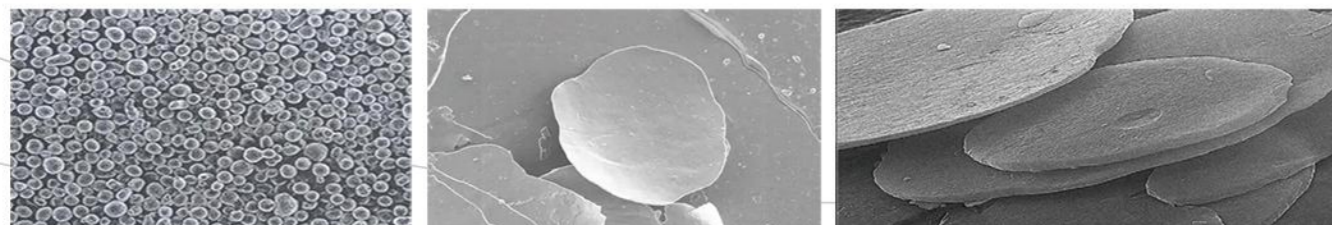
## Characteristics

AUTOMOTIVE SPECIALITY is manufactured using our best in-house powder. Only spherical powder is used to manufacture grades that have a narrow particle size distribution curve. Advanced equipments are adopted in the company to produce aluminium particle in a silver-dollar like structure with smooth surface and edges and consistent diameter to thickness ratio. Therefore, this series imparts high reflectivity and good orientation capability to give the paint film a bright appearance and smooth surface look.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size(um)(D50)	Screen Analysis (325mesh<%)	Applications
ZQ-405	70	5	0.5	High grade OEM, Refinish, Coil and Plastic
ZQ-406	70	6	0.5	
ZQ-407	70	7	0.5	
ZQ-408	70	9	1.0	
ZQ-409	72	9	1.0	
ZQ-410	72	10	1.0	
ZQ-415	72	20	1.0	
ZTP-605A	72	5	0.5	

Solvent  
HA: High Boiling Point Aromatic Hydrocarbon Solvent



# RESIN COATED ALUMINUM PASTE

## Characteristics

Resin coated aluminum paste, the surface of the aluminum flakes are coated by a resin film to form a dense protective layer, which has good compatibility with the coating resin and solvents. The finished coating film is flat, smooth, and excellent in adhesion. It is resistant to acid and alkali corrosion and strong electrical insulation. It's widely used to coil coatings, fluorocarbon exterior coatings, other coatings with corrosion resistance and insulation requirements ect.

## Performance Parameter

Grade	Non Volatile Content (+-2%)	Solvent	Screen Analysis (45um<%)	Average Particle Size (6um)	Surface Coated	Particle Shape	Leafing Or Non-leafing
ZRC-06S	55%	mineral oil	99.5	6	acrylic resin	Silver dollar	Non-leafing
ZRC-13S	55%		99.5	13		Silver dollar	Non-leafing
ZRC-20S	55%		99.5	20		Silver dollar	Non-leafing

# WATER-BORNE ALUMINIUM PASTE

## Characteristics

WATER BORNE uses aluminium powder of a narrow particle size distribution which has undergone inorganic treatment to ensure a minimum production of gases. We can produce passivated, single coated and double coated types. It has good storage stability when formulated in the resin of choice.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size(um)(D50)	Screen Analysis (325mesh<%)	Coated Layer (Single/Double)	Applications				
					OEM	Refinish	Coil	Plastic	Decorative
ZQ-3081	65	8	1.0	Double	0	0	0	0	0
ZQ-3132	65	13	1.0	Double	0	0	0	0	0
ZQ-3183	65	18	1.0	Double	0	0	0	0	0
ZQ-3314	65	31	1.5	Double	0	0	0	0	0
ZQ-3425S	65	42	1.5	Single	0	0	0	0	0
ZQ-3566S	65	56	1.5	Single	0	0	0	0	0

Solvent: PM



# SPARKLING ALUMINIUM PASTE

## Characteristics

SPARKLING series is for OEM and Refinish coatings and coil coatings. They are manufactured using spherical aluminium powders and our newly installed equipments. This series imparts a bright metallic effect coupled with better hiding power.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size (um)(D50)	Screen Analysis (325mesh<%)	Applications							
				3C	Wheel	OEM	Refinish	Coil	Industry	Plastic	Non-stick
ZQ-11217	72	12	1.0			0	0	0	0		
ZQ-11523	72	15	1.0			0	0	0	0	0	
ZQ-11718	72	16	1.0			0	0	0	0	0	
ZQ-11819	72	18	1.0	0		0	0	0	0		
ZQ-12020	72	20	1.0	0		0	0	0	0		
ZQ-12511	72	25	1.0		0		0	0	0	0	0
ZQ-1280	72	28	1.0		0		0	0	0	0	0
ZQ-1281	72	28	1.0	0		0	0	0	0		
ZQ-12826	72	28	1.0		0	0	0	0	0	0	0
ZQ-13514	72	35	1.0 (200 mesh)		0		0	0	0	0	0
ZQ-13625	72	36	1.0 (200mesh)		0	0	0	0	0	0	0
ZQ-14215	72	42	1.5 (200 mesh)		0				0	0	0
ZQ-14225	72	42	2.0 (200 mesh)		0	0	0	0	0	0	0
ZQ-14812	72	48	1.5 (200mesh)		0		0	0	0	0	0
ZQ-15316	72	53	1.5 (200 mesh)		0				0	0	0
ZQ-15527	72	55	1.0		0		0				0
ZQ-16524	72	65	1.0 (100mesh)		0				0		0
ZQ-15513	72	65	1.5 (100mesh)						0	0	0

Solvent  
HA: High Boiling Point Aromatic Hydrocarbon Solvent



# BRIGHT EFFECT ALUMINIUM PASTE

## Characteristics

BRIGHT EFFECT is manufactured using fine grinding processes to ensure that the surface of the particles is smooth with minimum rough edges. Specially selected spherical powders are used in the making of this series. The particles' diameter to thickness ratio is maintained at a constant level to ensure a brilliant and high reflective appearance. Advanced equipment and fine grinding processes are adopted in the company to produce aluminium particle in a silver-dollar like structure with smooth surface and edges, adequate diameter to thickness ratio, and even particle size distribution. Therefore, this series has high reflectivity and superior capability of positioning arrangement to give the paint film a bright appearance and smooth surface with a basic electroplating effect.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size (um)(D50)	Screen Analysis (325mesh<%)	Applications				
				3C	OEM	Refinish	Coil	Industry
ZQ-2070	70	7	0.5	0	0	0	0	0
ZQ-2085	70	8	0.5	0	0	0	0	0
ZQ-2096	70	9	1.0	0	0	0	0	0
ZQ-2097	70	9	1.0	0	0	0	0	0
ZQ-2102	70	10	1.0	0	0	0	0	0
ZQ-2103	70	10	1.0	0	0	0	0	0
ZQ-2121	70	12	1.0	0	0	0	0	0
ZQ-21713	65	17	1.0	0	0	0	0	0

Solvent  
HA: High Boiling Point Aromatic Hydrocarbon Solvent



# CORN-FLAKE ALUMINIUM PASTE

## Characteristics

CORN-FLAKE SERIES is fine and white with a strong hiding power coupled with high brightness. This series products are cost-effective.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size (um)(D50)	Screen Analysis (325mesh<%)	Applications					
				3C	OEM	Refinish	Coil	Industry	Plastic
ZQ-40610	68	6	0.5	0	0	0	0	0	0
ZQ-40615	65	6	0.5	0	0	0	0	0	0
ZQ-4085	65	8	0.5	0	0	0	0	0	0
ZQ-4089	65	8	1.0	0	0	0	0	0	0
ZQ-40813	65	8	1.0	0	0	0	0	0	0
ZQ-4101	65	10	1.0		0	0	0	0	0
ZQ-4106	65	10	1.0	0	0	0	0	0	0
ZQ-4120	65	12	1.0		0	0	0	0	0
ZQ-4122	65	12	1.0		0	0	0	0	0
ZQ-4123	65	12	1.0		0	0	0	0	0
ZQ-4154	65	15	1.0		0	0	0	0	0
ZQ-4177	65	17	1.0	0	0	0	0	0	0
ZQ-4208	65	20	1.0	0	0	0	0	0	0

Solvent  
HA: High Boiling Point Aromatic Hydrocarbon Solvent



# PREMIUM LEAFING ALUMINIUM PASTE

## Characteristics

PREMIUM LEAFING is manufactured with spherical aluminium powders using special milling technology. When formulated with the appropriate resin systems, it has an excellent leafing stability with bright appearance and sparkling effect.

## Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size(um) (D50)	Screen Analysis (325mesh<%)	Applications				
				Decorati	Ink	Bicycle	Aerosol	Headlamp reflector
ZQ-7044	70	4	1.0	0	0	0	0	0
ZQ-7073	70	7	1.0	0	0	0	0	0
ZQ-7092	70	9	1.0	0	0	0	0	0
ZQ-7106	70	10	1.0	0	0	0		0
ZQ-7131	72	13	1.0	0	0	0		0

Solvent: HA: High Boiling Point Aromatic Hydrocarbon Solvent



## STANDARD LEAFING ALUMINIUM PASTE

### Characteristics

STANDRAD LEAFING with high leafing value and water coverage. It is also capable of withstanding adverse weather conditions. The formulation with silicon types of resin will confer high heat resistance to the coatings.

### Performance Parameter

Grades	Non Volatile Content (±2%)	Leafing Value (Min %)	Water coverage (Min cm <sup>2</sup> /g)	Screen Analysis (325mesh<%)	Applications					
					Marine	Protective	Roof	Ink	Aerosol	Dip
ZQ-6120	65	80	17000	1.0	0	0	0			
ZQ-6122	65	85	20000	1.0	0	0	0			
ZQ-6123	65	85	20000	1.0	0	0	0			
ZQ-6124	65	80	18000	1.0	0	0	0			
ZQ-6082	64	80	40000	0.1	0	0	0	0	0	
ZQ-6083	65	80	28000	0.1		0	0	0	0	
ZQ-6084	65	80	32000	0.1		0	0	0	0	
ZQ-6138	65	80	32000	0.1				0	0	0

Solvent

HA: High Boiling Point Aromatic Hydrocarbon Solvent



## STANDARD NON-LEAFING ALUMINIUM PASTE

### Characteristics

STANDARD NON-LEAFING is produced specially for protective coatings. The technology adopted allows our grades to impart good brightness and whiteness while maintaining a well balanced cost structure.

### Performance Parameter

Grades	Non Volatile Content (±2%)	Average Particle Size(um)(D50)	Screen Analysis (325mesh<%)	Applications
ZQ-5150	65	15	1.0	General Industrial, Hammer tone effect
ZQ-5151	63	15	1.0	General Industrial, Hammer tone effect
ZQ-5152	63	16	1.0	General Industrial, toy, Hammer tone effect
ZQ-5166	65	16	1.0	General Industrial, Hammer tone effect

Solvent

HA: High Boiling Point Aromatic Hydrocarbon Solvent

Note:

We can tailor make the non-volatile content and solvent according to customer needs.