



## Main introduction of Mica Powder

Mica Powders are non-reactive and non-tarnishing metallic pigments. They are ideal for adding shimmer for gilding and decorative paint mediums: varnish, shellac, paint, glaze or wax

### Main Applications of Mica Powder

Mica powder can be used in paint and coating to reduce the damage of ultraviolet rays or other Light and heat damage to the paint film, promote coating acid and alkali and insulation, and to strengthen its durability, freezing resistance corrosion resistance, water resistance etc. it helps to strengthen the adherence to the layer, improve its intensity, brightness, tenacity and Compaction. As a result, it is conducive to reduce the ventilation, to prevent speckle and chaps as well as reduce sediment in the paint. As a prior filler in paint, mica powder can be used to substitute some expensive raw materials in the paint so as to reduce the production cost.

Mica powder is also the basic raw material for mica ceramics products.

Mica powder can be applied in protecting layer of welding rods, conducting wires and electric cables.

[White mica powder](#) can be use as suspended substance in fire-fighting dry powder.

It can be taken as the filler, a shelter, a lubricating substance, a drawing of patterns in plastics, rubber, asbestos products and sealing materials.

It can also be used as the filler in degreasing agent of cosmetics, in insulating materials of high-frequent electric waves and acid and alkali products.

It can be used as coating in models of Cast metal, the brightening material in aluminum and paint in plating bath.

### Specification of Mica Powder

| Item                  | 20 mesh |      | 40 mesh |      | 60 mesh |      | 100 mesh |      |
|-----------------------|---------|------|---------|------|---------|------|----------|------|
|                       | (Mesh)  | (%)  | (Mesh)  | (%)  | (Mesh)  | (%)  | (Mesh)   | (%)  |
| Particle Distribution | +20     | <5   | +40     | /    | +60     | /    | +100     | /    |
|                       | 20-40   | 70±5 | 40-60   | 60±5 | 60-100  | 55±5 | 100-200  | 35±5 |
|                       | 40-60   | 25±5 | 60-100  | 35±5 | 100-200 | 40±5 | 200-325  | 25±5 |
|                       | 60-100  | <10  | 100-200 | <10  | 200-325 | <5   | -325     | <45  |
|                       | -100    | <5   | -200    | /    | -325    | /    | /        | /    |
| Moisture              | ≤0.5%   |      | ≤0.5%   |      | ≤0.5%   |      | ≤0.5%    |      |
| Sand Content          | ≤1.0%   |      | ≤1.0%   |      | ≤1.0%   |      | ≤2.5%    |      |

Note: Other sizes could be produced as requested, such as 1-3mm,3-5mm, 15mesh,



## Oreworld trade (Tangshan) co., Ltd.

200 mesh,325 mesh etc.

### **Color of the Mica powder**

Golden, white silver

### **Production:**

Dry /wet process

### **Chemical Composition of Mica Powder**

| Element     | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | K <sub>2</sub> O | Na <sub>2</sub> O | MgO  | CaO  | LOI |
|-------------|------------------|--------------------------------|--------------------------------|------------------|-------------------|------|------|-----|
| Content (%) | 44.3             | 31.21                          | 5.74                           | 10.58            | 1.17              | 0.62 | 0.57 | 4.9 |

### **Physical Property of Mica Powder**

| Diameter-thickness Ratio | Whiteness | Refractive Index | PH Value |
|--------------------------|-----------|------------------|----------|
| 1:30                     | 50—70     | 1.58             | 6.5-7.5  |

### **Packaging of the Mica Powder**

500kgs per big bag