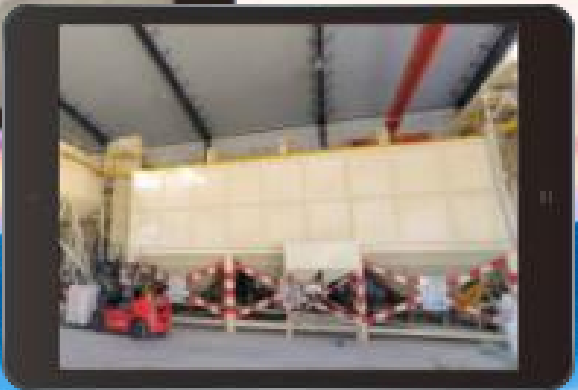




堯鑫礦業
YAO XIN MINING INDUSTRY

Yao & Xin Mineral Products Processing Plant

Product Manual





CONTENTS OF MAJOR PRODUCTS

01

Bentonite Series

Activated clay; Atural bleached clay; Organic bentonite ; Bentonite ore Montmorillonite and Montmorillonite desiccant

02

Silica Series

Micro Silica (Silica Fume); Silicon metal

03

Wollastonite Series

Acicular Wollastonite Powder; Modified wollastonite specially according to users' application

04

Vermiculite Series

Expanded vermiculite; Golden vermiculite; White vermiculite ; Vermiculite Board

05

Casting Products Series

Calcined Kaolin, Mullite sand; ceramic sand; Calcined Petroleum Coke Carburizer



Bentonite Series Products

1 Activated clay

2 Organic Bentonite

3 Montmorillonite

4 Montmorillonite Desiccant

5 Construction used Bentonite

Granule Bentonite

Organically modified and beneficiated smectite clay

Coating & Paint grade

6 Bentonite Cat litter

Construction mud bentonite

Pharmaceutical grade

Drilling bentonite





Silica Series Products

Silica Fume(Micro Silica)



Applications

- Silicone rubber and silicone sealants
- Paints and coatings
- Negative toner
- Adhesives
- Coating polymers
- Cosmetics

Properties

- Hydrophobic component for thickening and reinforcement of RTV-1 pack silicone sealants
- Improves shelf-life of silicone sealants
- Water resistant, for thickening and hydrophobising of liquid systems
- Rheology control of (complex) liquid systems
- For use in coatings as anti-settling agent, for pigment stabilization and improvement of corrosion protection
- Improves hydrophobicity and rheology of offset printing inks
- Improvement and maintenance of free flow and anti-caking characteristics of powders
- Due to large surface area improved thickening and thixotropic effect as well as transparency

Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m ² /g	150 - 190
pH value in 4% dispersion		3.7 - 4.7
Loss on drying* 2 hours at 105 °C	%	≤ 0.5
C content	%	0.7 - 1.3
Tamped density* modified	g/l	approx. 50
SiO ₂ content based on ignited material	%	≥ 99.8

* ex plant

The data represents typical values (no product specification).

Silica Metal



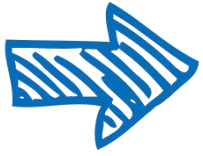
Polycrystalline silicon photovoltaic



Organic chemical industry



Metallurgical refractories



Wollastonite Series Products



Chemical Industry

Construction Materials Industry

Ceramic Industry

Chemical properties

Item	Index
SiO ₂	45-55%
CaO	40-50%
Fe ₂ O ₃	1.0%max
S	0.04%max
P	0.04%max
Al ₂ O ₃	1.5%max
MGO	1.5%max
L.O.I	1.5-4.0%max
Sedimentation	30 Minutes
pH Value	7-9

(This is only for reference, and products can be produced according to clients' requirements.)

Physical properties

Item	Index
Whiteness	90min
Mohs Hardness	4.5
Specific gravity	2.90%
Refractive Index	1.63
Surface Water &le	0.30%



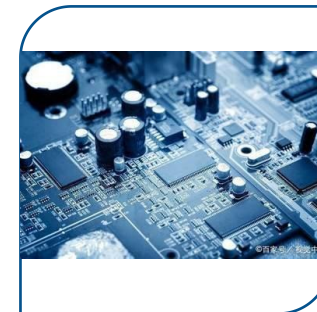
Metallurgical Industry



Electroinc Industry



Paper Making Industry





Vermiculite Series Products

Vermiculite (raw and expanded)



01

CULTIVATING SEEDLINGS

It can be used for vegetable and rice cultivation, it helps crops grow, and it makes them more nutritious



02

SOILLESS CULTURE

As a nutrient base for potted plants and commercial seed-beds

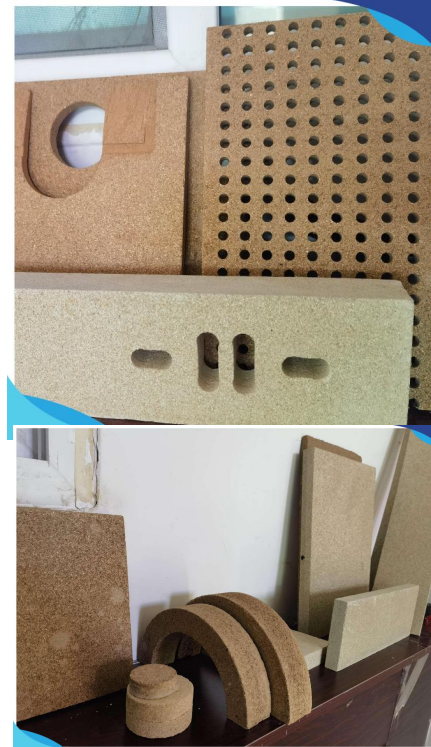


03

AGRICULTURAL PLANTING

Vermiculite is rich in mineral elements, which can be absorbed in the growing process of crops

Vermiculite Board

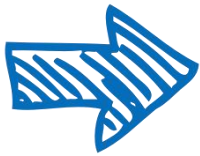


04

BUILDING

Used as fireproof material and heat preservation material in building exterior wall





Casting Series Products

Calcined Kaolin



Mullite sand



Ceramic Sand

- 01 Good liquidity
- 02 Tight structure
- 03 High fire resistance
- 04 The angle coefficient is small



Calcined Petroleum Coke Carburizer



SEWAGE TREATMENT



METALLURGICAL CASTING



CARBURIZER



REFRACTORY

WHY CHOOSE US



More than 20 years abundant experience and group of devoted employees who expertising in the non-metallic mineral products industry can help you settle a targeted solution for your application process



Customization service can support you customized packing, goods size, performance and other service you may need



M,ore competitive price and qualified goods ensure us to have long term cooperation with clients over the world



24-7 days service can offer you prompt reply and feedback

ABOUT US

Lingshou County Yao & Xin Mineral Products Processing Plant is a specialized manufacturer of mineral products. Located in Shijiazhuang, Hebei, as one of the most powerful non-metallic mineral enterprises, a successor of department LingShou County heng Yang minerals processing plant, Lingshou County Shuntian processing plant, Lingshou County Paibao minerals processing plant, Shanxi Province Longqin mineral Ltd co. and so on a series of family business. Our company is mainly engaged in mullite sand/ Flour for precision casting, ceramic sand, Calcined Petroleum Coke Carburizer, vermiculite, Mica Clay and other bentonite related products, widely used in petroleum, petrochemical, steel, metallurgy, machinery, casting, paper-making, rubber, ceramics and other industries. With years of abundant experience and group of devoted employees, our company has won high recognition from society and clients.

With the slogan of "Connect World, Forge Future" and "Take full advantages of available resource, Create infinite possibility" as business philosophy we aim to establish our company as industry benchmark and forge national brand. We will coordinate inner resources and involve ourselves into worldwide resource development actively to lay a good foundation for becoming an internationally known mining company.



**Yao & Xin Mineral Products
Processing Plant**

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WHAT WE CAN OFFER YOU



look forward to cooperating with you



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