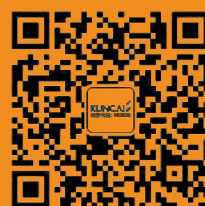


Information on technical applications is provided to the best of our knowledge within the scope of the possibilities open to us but is without obligation.

Current laws and regulations must be observed at all times. This also applies in respect of any protected rights of third parties.

Our suggestions do not relieve our customers of the need to test our products at their own responsibility to establish whether they are suitable for the intended purpose.

Quotations from our literature are only permitted after prior written authorization, and only if the source is cited.

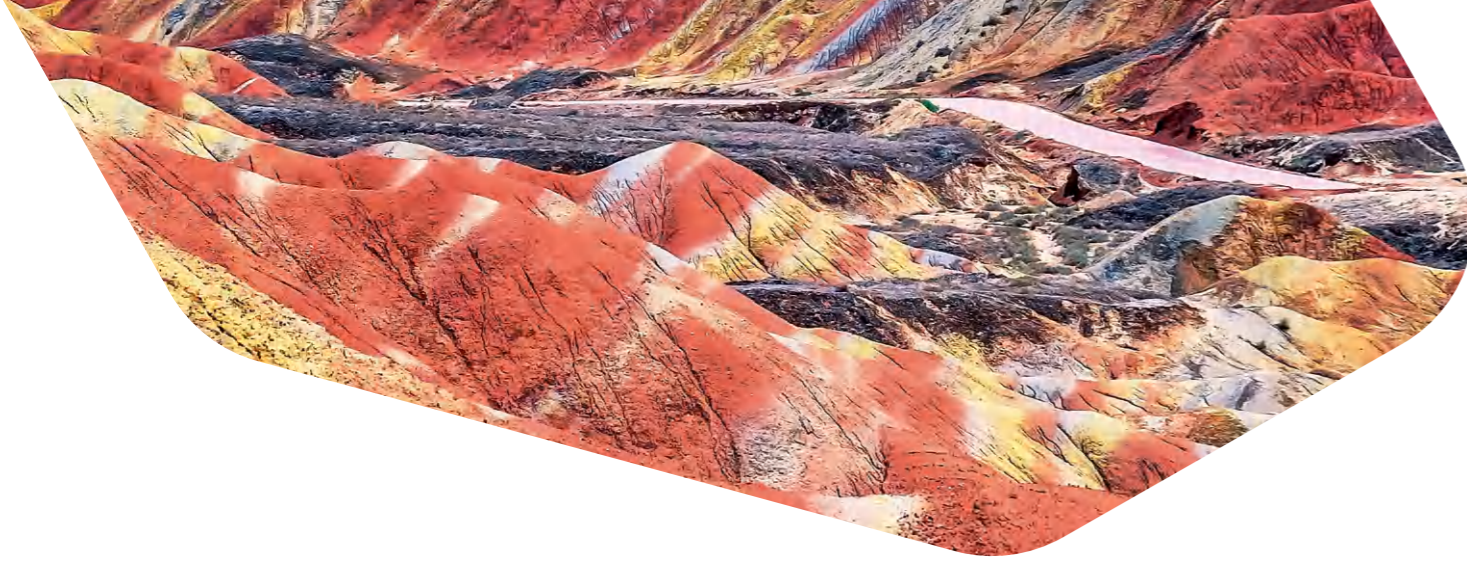


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Down to earth and convincingly intense

Iron Oxide product series



ABOUT OUR PRODUCTS

Iron oxide is the world's second largest inorganic pigment in terms of production and sales after titanium dioxide, and the first largest colored pigment. Iron oxide pigments have rich colors and a wide color spectrum, high hiding power and strong tinting strength. The main colors are red, yellow and black, and by mixing it is also possible to obtain a range of composite pigments with orange, brown and green.

Iron oxide pigments have excellent resistance to light, weathering, acids, alkalis and solvents, but also have the characteristics of non-toxicity, making them widely used in building materials, paints, inks, plastics, ceramics, paper making and magnetic recording materials.



IRON OXIDE RED - FeOEX RED SERIES

FeOEX R100 FeOEX R130
FeOEX R110 FeOEX R140
FeOEX R120 FeOEX R160
FeOEX R125 FeOEX R180



IRON OXIDE YELLOW - FeOEX YELLOW SERIES

FeOEX Y200
FeOEX Y210
FeOEX Y220
FeOEX Y230



IRON OXIDE BLACK - FeOEX BLACK SERIES

FeOEX B300
FeOEX B310
FeOEX B320



ABOUT ZHENGTAI

Zhengtai New Material Technology Company (Zhengtai) is a wholly owned subsidiary of Kuncai. The company is located in Jiangyin Harbour Economic Zone, China covers a total area of 133 hectares and has a total investment of USD 1.4 billion. Zhengtai has an annual production capacity of 500,000 tons each of TiO₂ and Fe₂O₃, as well as nano-sized and functional titanium dioxide.

FeOEX IRON OXIDE MADE BY KUNCAI

Kuncai iron oxide is produced by an advanced hydrochloric acid extraction process, which ensures quality and meets the requirements of low heavy metal content limits. Optimized hydrolysis and calcination processes improve the reaction rate by 50%. Production can be reused in the chlor-alkali industry. Achieve full process cycle, energy saving and emission reduction, and realize environmentally sustainable development and move toward a green economy.

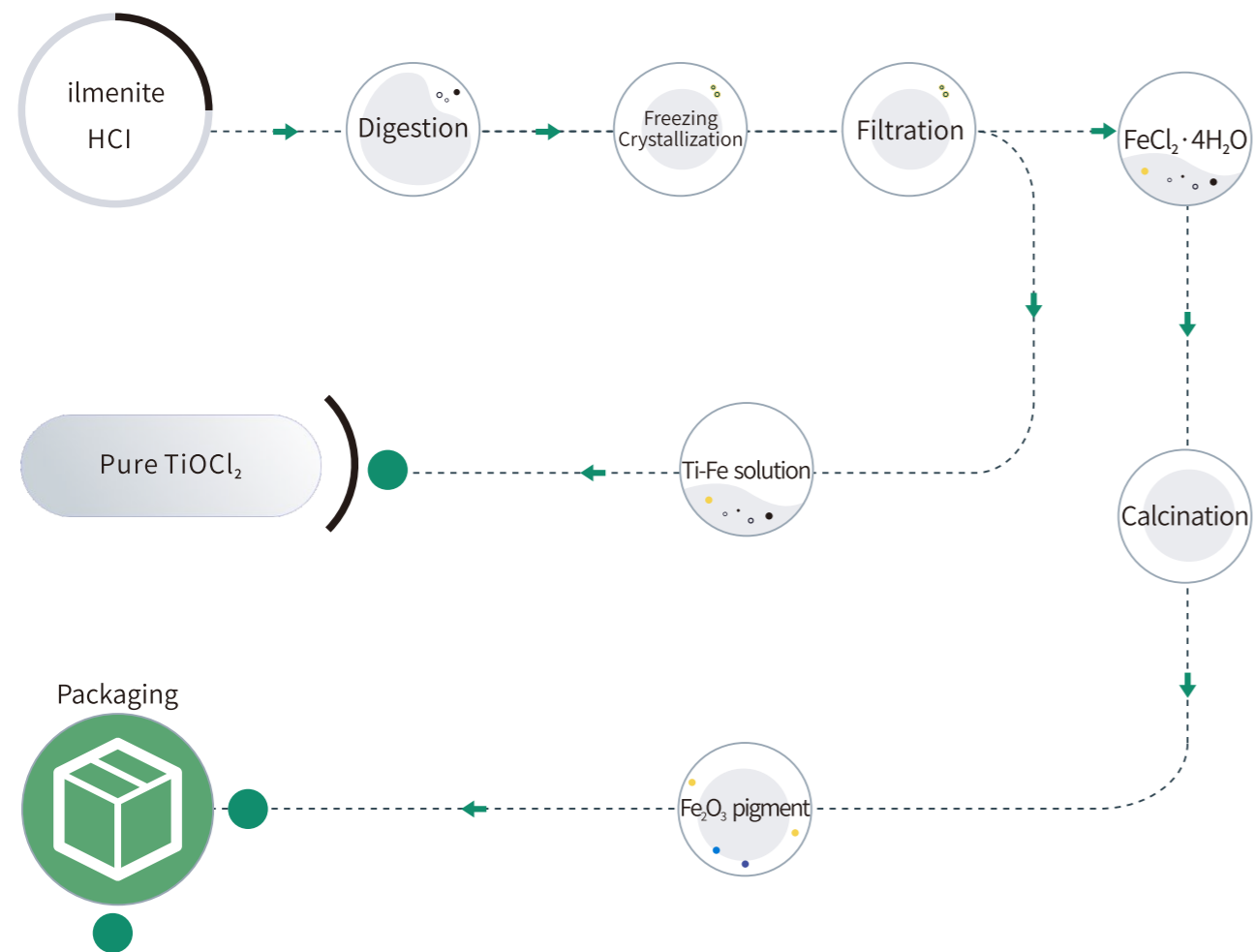
Iron oxide produced by Kuncai's innovative extraction process uses ilmenite (about 50% effective content) as raw material. The advanced processes with maximum recyclability, almost no solid waste generation, and low energy consumption help achieve the goal of a sustainable end product in various application industries.

Product Features

- High purity
- Intense color tones
- Strong hiding power
- Low heavy metal content
- Low impurity rate
- Good dispersion properties
- Sound thermal stability
- Low oil absorption properties
- Good value in use

MANUFACTURING PROCESS OF OUR IRON OXIDE

In the production of FeOEX series products, Kuncai has introduced the world's first hydrochloric acid extraction process for raw material production to achieve low heavy metal content and low impurity level of raw materials used in the reaction. Compared with traditional iron oxide production processes, the reaction speed is faster and energy consumption is lower.



PRODUCT PORTFOLIO

Our product series carry the name FeOEX - the **EX** stands for three things: our own engineered **EX**traction production method, **EX**cellent product quality and **EX**clusive competence in product engineering.

Characteristics	Unit	Specification Yellow Series FeOEX Y
CIE Δ L*		± 0.7
CIE Δ a*		± 0.7
CIE Δ b*		± 0.7
Relative tinting strength	%	95 - 105
Sieve residue (45 μm sieve)	%	≤ 0.3
Oil absorption	g/100g	≤ 40
pH value	-	3 - 7
Moisture	%	≤ 1
Water soluble matter (%)	%	≤ 0.5
Tamped density	g/ml	0.5 - 0.9
Predominant particle size	μm	0.3 - 0.5
Content (Fe2O3)	%	≥ 83

YELLOW
FeOEX Y series
 FeOEX Y200
 FeOEX Y210
 FeOEX Y220
 FeOEX Y230

PRODUCT PORTFOLIO

Our product series carry the name FeOEX - the **EX** stands for three things: our own engineered **EX**traction production method, **EX**cellent product quality and **EX**clusive competence in product engineering.

RED FeOEX R series

FeOEX R100
FeOEX R110
FeOEX R120
FeOEX R125
FeOEX R130
FeOEX R140
FeOEX R160
FeOEX R180

Characteristics	Unit	Specification Red Series FeOEX R
CIE ΔL^*		± 0.7
CIE Δa^*		± 0.7
CIE Δb^*		± 0.7
Relative tinting strength	%	95 - 105
Sieve residue (45 μm sieve)	%	≤ 0.3
Oil absorption	g/100g	≤ 25
pH value	-	3 - 7
Moisture	%	≤ 1
Water soluble matter (%)	%	≤ 0.5
Tamped density	g/ml	0.8 - 2.0
Predominant particle size	μm	0.1 - 0.7
Content (Fe ₂ O ₃)	%	≥ 95

PRODUCT PORTFOLIO

Our product series carry the name FeOEX - the **EX** stands for three things: our own engineered **EX**traction production method, **EX**cellent product quality and **EX**clusive competence in product engineering.

BLACK FeOEX B series

FeOEX B300
FeOEX B310
FeOEX B320

Characteristics	Unit	Specification Black Series FeOEX B
CIE ΔL^*		± 0.7
CIE Δa^*		± 0.7
CIE Δb^*		± 0.7
Relative tinting strength	%	95 - 105
Sieve residue (45 μm sieve)	%	≤ 0.3
Oil absorption	g/100g	≤ 20
pH value	-	6 - 10
Moisture	%	≤ 1
Water soluble matter (%)	%	≤ 0.5
Tamped density	g/ml	0.9 - 1.3
Predominant particle size	μm	0.2 - 0.3
Content (Fe ₂ O ₃)	%	≥ 95