Kingbornit

Kingsica

Kingaolin

Cosllary

King Powder

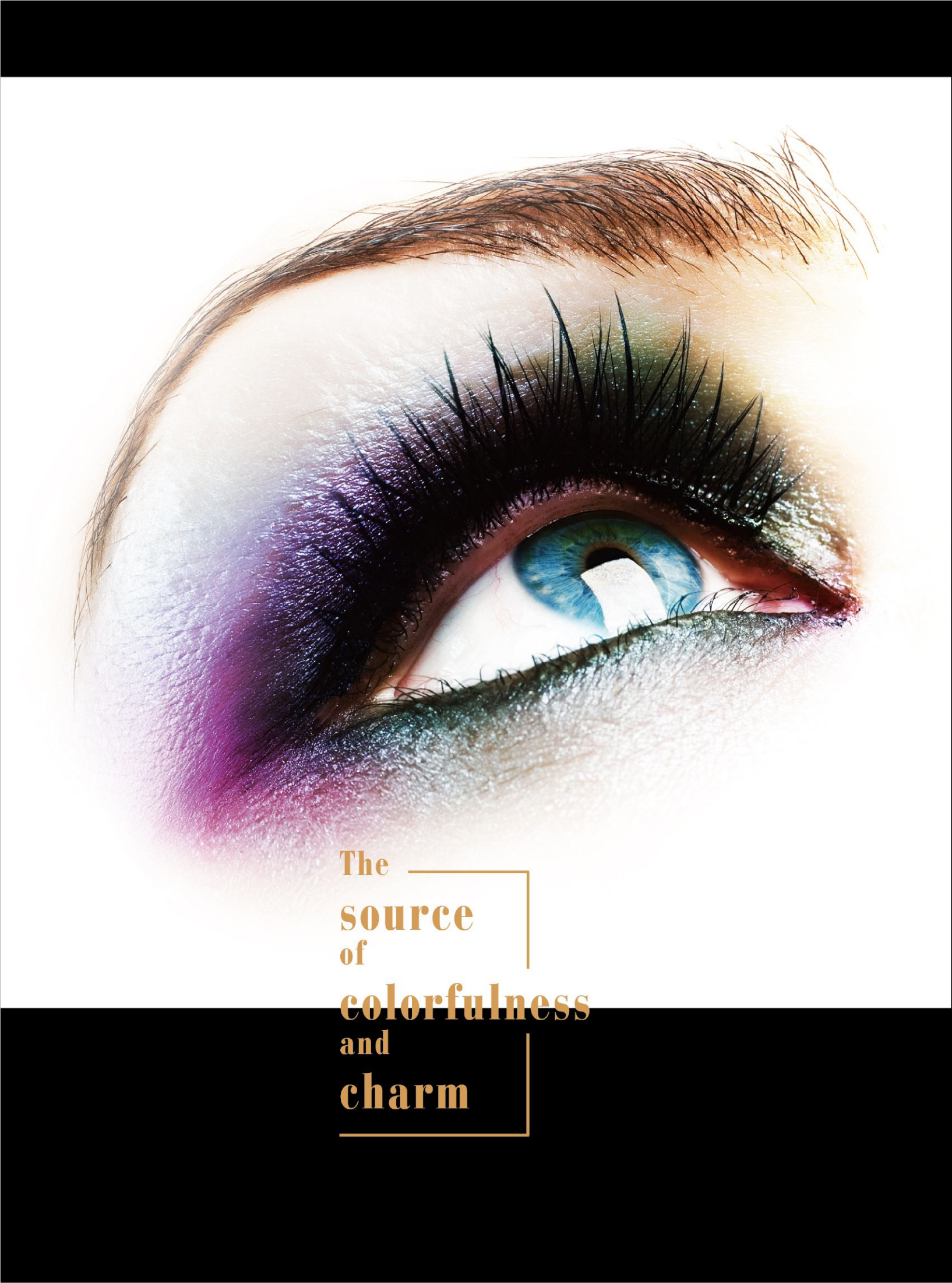
联锴粉体

Kingtalfer

Kingcovite

Kingruti

2023 • CATALOG • EN


The
source
of
colorfulness
and
charm

King Powder

联锴粉体

致力于全球领先粉体材料的创新及研究

COMMITTED TO THE WORLD'S LEADING POWDER MATERIAL INNOVATION AND RESEARCH

King Powder
联锴粉体
匠技匠心
ARTISAN SKILLS WITH INGENUITY
至诚至精
CREATE SINCERITY AND PERFECTION

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Wet Stripping Boron Nitride

B_2O_3<0.1%

Unique wet stripping technology creates thinner lamella.

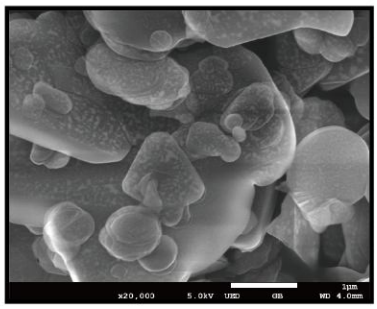
Among the same products, Kingbornit has more particle counts in the same weight.

B_2O_3 is easily soluble in water to generate boric acid, which causes irritation, widely red rash on skin, and also exfoliative in severe cases.

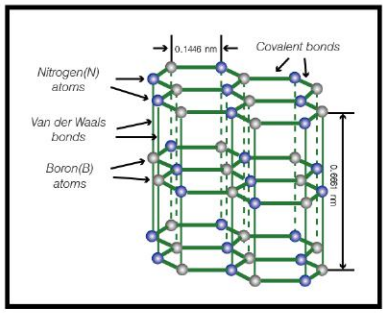
B_2O_3 powder is hexagonal monoclinic crystal that consists of BO_3 triangle unit, affecting softness, smoothness and skin adhesion of boron nitride.

Kingbornit
WET STRIPPING BORON NITRIDE

- *The unique wet stripping technology from KingPowder strictly controls elution amount of boron, which can meet the JSQI.*
- *More completely peeling by wet stripping technology, thin lamellar, light particle, high radius-thickness ratio, large specific surface area, evenly distributed particle size, good cost performance.*
- *The hexagonal lamellar structure is rounded and silky, which can take on perfect gloss effect. Excellent slippage and extremely access to skin.*
- *Cosmetic boron nitride, B_2O_3<0.1%, high safety.*



SEM image of hexagonal boron nitride



Hexagonal boron nitride structure

Chemical inertness, safety and non-poisonous. It has a high refractive index of 1.74.

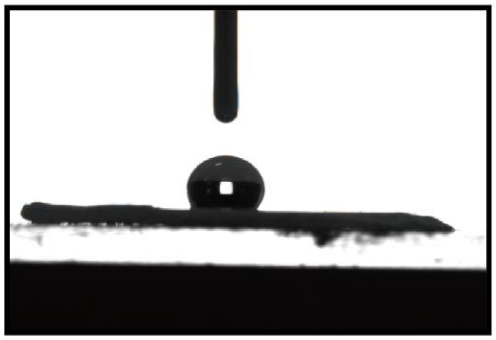
Like graphite layered structure, low friction coefficient and excellent spreadability. Different particle sizes can present a variety of optical properties.

Product Name	Product Code	Mean Particle Size	Tap Density (g/cm^3)	Specific Surface Area (m^2/g)	Elution Amount of Boron
Kingbornit 9006 Comply with JSQI	110514	6 μm	0.14	8	<20ppm
Kingbornit 9011 Comply with JSQI	110515	11 μm	0.60	4	<20ppm
Kingbornit 3001	110505	1 μm	0.28	23	——
Kingbornit 3002	110502	3 μm	0.18	10	——
Kingbornit 500	110501	6 μm	0.14	8	——
Kingbornit 3012	110506	11 μm	0.60	3	——
NEW *Kingbornit 3015*	110516	15 μm	0.46	3	——
NEW *Kingbornit 3020*	110517	20 μm	0.52	5	——

HYDROPHOBIC BORON NITRIDE

customizable

- *Improve the dispersity in oil phase, simplify the dispersing process.*
- *Reinforce particle in lipstick, pencils and pressed powder, etc.*
- *Enable the creams to be picked up easier and longer the duration of makeup.*
- *Provide more material solutions for stabilizing product systems.*



Measurement of contact angle

Contains 5% Kingbornit *Blank*

Damage compared after 40 times free falls from 50cm

Product Name	*Product Code*	*Mean Particle Size*	*Surface Treating Agent*
Kingbornit 500 SI	110801	6 *μm*	*Dimethicone* *Excellent hydrophobic effect*
Kingbornit 3002 SI	110802	3 *μm*	
Kingbornit 3012 SI	110804	11 *μm*	

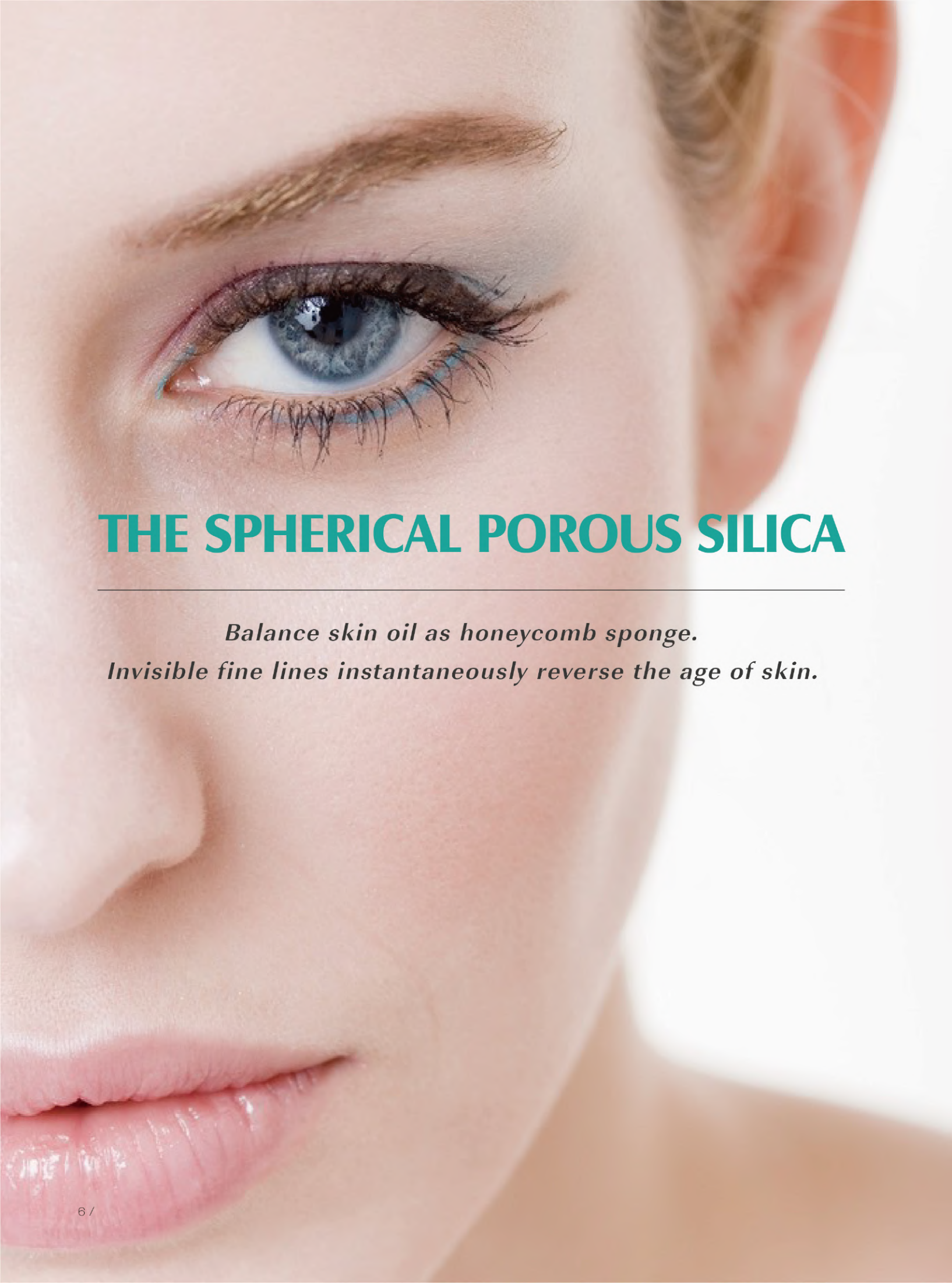
HYDROPHILIC BORON NITRIDE

- *The boron nitride using PEG-12 dimethicone surface treatment is perfectly hydrophilic, stable over a wide range of pH, good compatibility.*
- *Wet surface treatment, coating evenly. Self-dispersing in water, which greatly reduces the difficulty of dispersion in water-based system.*
- *Water-based products would be very white, soft, silky, soft focus and cling to skin with Kingbornit aq.*

Product Name	Product Code	Mean Particle Size	Application Description
Kingbornit aq 3002C	110103	3 μm	O/W foundation Cream Emulsion O/W suncream Mask Toning cream
Kingbornit aq 500	110102	6 μm	

Contrast of before and after treatment

Contrast of added and not added Kingbornit aq.



THE SPHERICAL POROUS SILICA

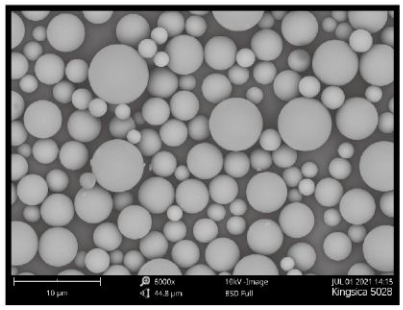
Balance skin oil as honeycomb sponge.
Invisible fine lines instantaneously reverse the age of skin.

King Powder
联锴粉体

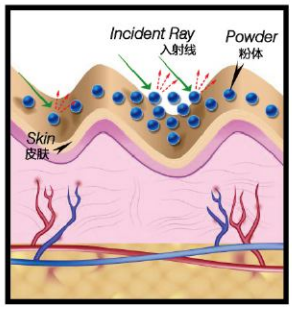
Kingsica
SPHERICAL POROUS SILICA

The Patent No. of China: ZL 201510781190.X

- *The patented technology for the synthesis of spherical porous silica, the performance indicators of particle size, flowability and oil absorption can be adjusted.*
- *Upgraded particle size screening process with narrow distribution.*
- *Porousness, mesoporous, cut-through pore diameter and large pore volume, provide great adhesion to skin, which can soak up excess oil and reduce greasy feeling.*
- *The opitical effect enable the product to conceal fine lines and achieve matte effect.*
- *The amorphous silica is safe to use.*

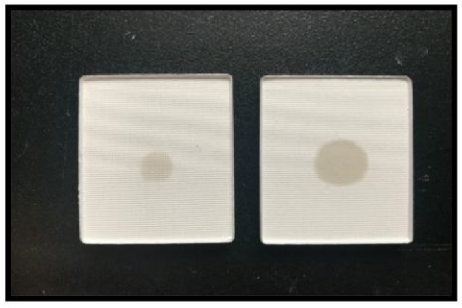


SEM image of silica



Optical effect conceal fine lines

Comparison: after a drop of artificial mixed sebum added to the surface at the same time.



Contains 3% Kingsica: the oil is absorbed, and the surface is dry.

Blank : the oil is diffused on the surface, with obvious oiliness.

Product Name	Product Code	Mean Particle Size	Oil Absorption (mL/100g)	Surface Treating Agent
Kingsica 2028 NEW	107144	2 µm	93	———
Kingsica 3028 NEW	107137	3 µm	90	
Kingsica 5028	107128	7 µm	80	
Kingsica 1228 NEW	107146	12 µm	80	
Kingsica S150 NEW	107139	9 µm	150	
Kingsica S200 NEW	107145	10 µm	200	
Kingsica 3028 AS NEW	107143	3 µm	———	*Triethoxycaprylylsilane*
Kingsica 5028 AS	107129	7 µm	———	
Kingsica 5028 FL NEW	107141	7 µm	———	*Perfluorooctyl Triethoxysilane*
Kingsica 5028 MS NEW	107138	7 µm	———	*Methicone*

TITANIUM DIOXIDE

Hiding, PS beauty skin repair brush.
Whitening, white skin coagulate frost and snow.

Kingruti
TITANIUM DIOXIDE (Part.1)

- *High purity and safety.*
- *A variety of surface treatment products to enhance the stability of the system.*
- *Various assortment to match different needs.*

Tpye	Product Name	Product Code	Mean Particle Size	Whiteness	Surface Coating Agent
Rutile	Kingruti T-02	106402	420 nm	⩾91	Aluminum Hydroxide
	Kingruti T-06	106403	360 nm	⩾91	Aluminum Hydroxide Silica
	Kingruti T-48	106404	400 nm	⩾90	Aluminum Hydroxide
	Kingruti T-60	106410	210 nm	⩾92	Aluminum Hydroxide
	Kingruti T-90	106411	280 nm	⩾92	Aluminum Hydroxide Silica
	Kingruti CR50	106419	250 nm	⩾92	Aluminum Hydroxide
Anatase	Kingruti T-01	106416	200 nm	⩾92	——
	Kingruti T-04	106421	220 nm	⩾90	——

Kingruti
TITANIUM DIOXIDE (Part.2)

Product Name	Product Code	Mean Particle Size	Whiteness	Surface Coating Agent
Triethoxycaprylylsilane surface treatment				
Kingruti 02 AS	106532	420 *nm*	⩾91	*Aluminum Hydroxide*
Kingruti 0205 AS	106533	210 *nm*	⩾92	*Aluminum Hydroxide*
Kingruti 08 AS	106534	400 *nm*	⩾90	*Aluminum Hydroxide*
Kingruti CR50 AS	106535	250 *nm*	⩾92	*Aluminum Hydroxide*
Kingruti 0201 AS (Anatase)	106552	200 *nm*	⩾90	——
Dimethicone surface treatment				
Kingruti 02 SI	106502	420 *nm*	⩾91	*Aluminum Hydroxide*
Kingruti 0205 SI	106506	210 *nm*	⩾92	*Aluminum Hydroxide*
Kingruti 08 SI	106507	400 *nm*	⩾90	*Aluminum Hydroxide*
Kingruti CR50 SI	106508	250 *nm*	⩾92	*Aluminum Hydroxide*
PPG-26-Buteth-26 & Laureth-4 surface treatment				
Kingruti aq LK08	106554	300 *nm*	⩾88	*Aluminum Hydroxide Silica*
Silica surface treatment				
Kingruti aq 90	106541	280 *nm*	⩾90	*Aluminum Hydroxide Silica*

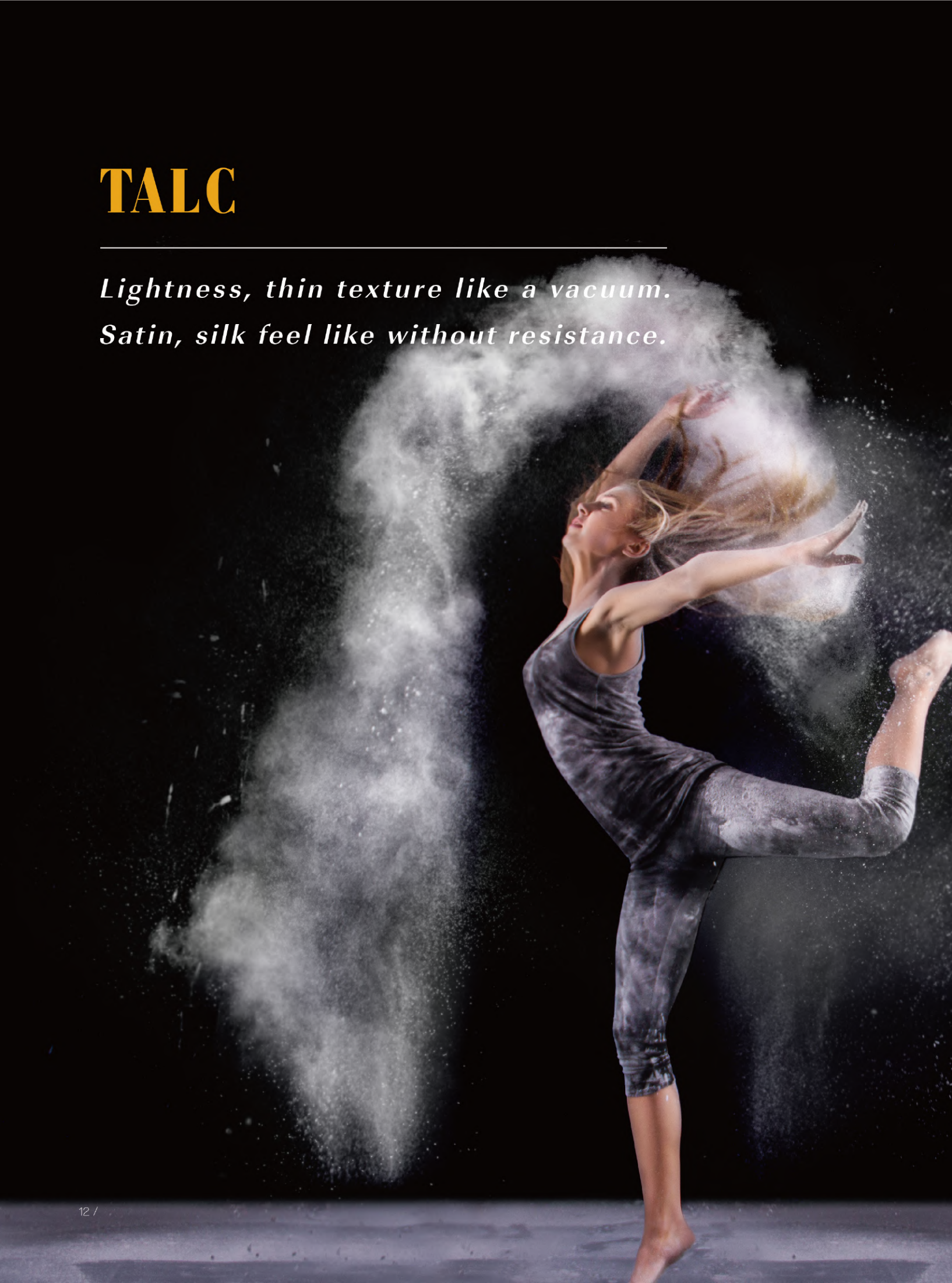
Kingaolin KAOLIN

- High whiteness, high purity.
- Good plasticity, good adhesion.
- Good dispersibility.
- Low heavy metal content.

Product Name	Product Code	Mean Particle Size	Surface Treating Agent
Kingaolin 5000	106324	2 μm	——
Kingaolin 5000 AS	106325	2 μm	Triethoxycaprylylsilane
Kingaolin GL03 Comply with global regulations	106329	3 μm	——
Application Description			
Widely used in facial masks, pressed powder, laundry sheets and other product formulations.			

TALC

Lightness, thin texture like a vacuum.
Satin, silk feel like without resistance.

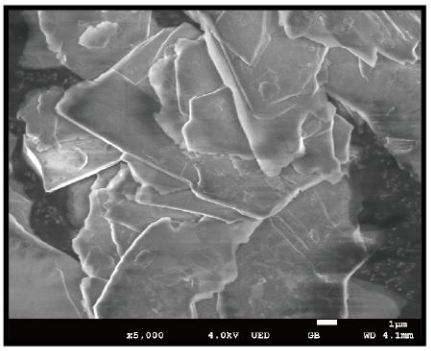


King Powder
联锴粉体

WET PROCESSING TALC

The Patent No. of China: ZL 201610249203.3

- *High radius-thickness ratio, obviously improve physical and mechanical properties.*
- *High quality gloss, silky as satin.*
- *Smooth tactility, good skin adhesion.*
- *Higher purity, good transparency.*
- *Special screening classification, narrow particle size, concentrated in particle size distribution.*
- *Layer surface is smooth, no scratches, no edge angle, optical effect is excellent.*
- *High safety, no asbestos, almost does not contain heavy metals.*



SEM image of wet processing talc

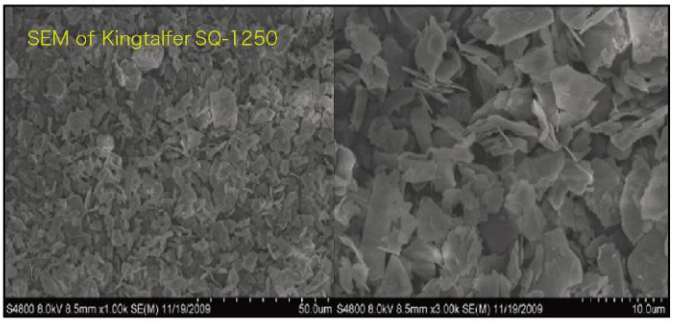
Product Name	Product Code	Mean Particle Size	Specific Surface Area (m^2/g)	Oil Absorption (mL/100g)	Application Description
No surface treatment					
Kingtalfer SF-1250	106138	8 μm	7	62	*Ultra fine talc with high radius-thickness ratio, soft and smooth gloss, higher purity, was widely used in color cosmetics like eye shadow, lipstick, powdery, eyebrow pencil and foundation etc.*
Triethoxycaprylylsilane surface treatment					
Kingtalfer SF-1250 AS	106142	8 μm	5	——	*Excellent oil dispersibility, soft and glossy, can be used in cosmetic products that need waterproof effect.*

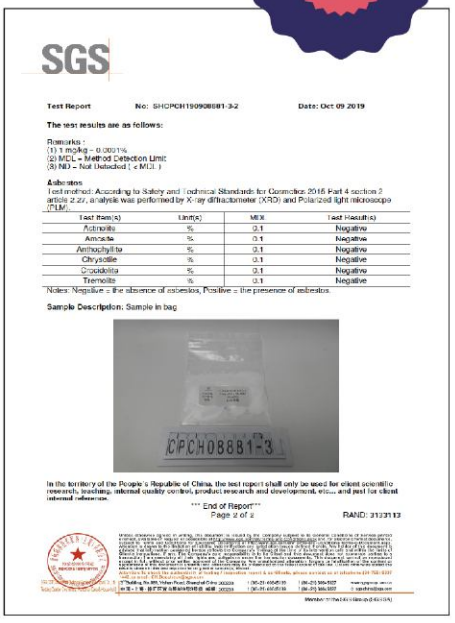
King Powder
联锴粉体

Kingtalfer TALC

customizable

- *High quality light pink mine, high whiteness, high purity.*
- *Processing technology for cosmetic talcum powder, concentrated in particle size distribution.*
- *No asbestos, almost does not contain heavy metals.*




SGS

Test Report No: SHCPCH1909088B1-3-2 Date: Oct 09 2019

The test results are as follows:

Remarks :
(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)

Asbestos
Test method: According to Safety and Technical Standards for Cosmetics 2015 Part 4 section 2 article 2.27, analysis was performed by X-ray diffractometer (XRD) and Polarized light microscope (PLM).

Test Item(s)	Unit(s)	MDL	Test Result(s)
Actinolite	%	0.1	Negative
Amosite	%	0.1	Negative
Anthophyllite	%	0.1	Negative
Chrysotile	%	0.1	Negative
Crocidolite	%	0.1	Negative
Tremolite	%	0.1	Negative

Notes: Negative = the absence of asbestos, Positive = the presence of asbestos.

Sample Description: Sample in bag

CPCH08881-3

In the territory of the People's Republic of China, the test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc., and not for client external reference.

*** End of Report ***
Page 2 of 2 RAND: 3123113

Product Name	Product Code	Mean Particle Size	Specific Surface Area (m^2/g)	Oil Absorption (mL/100g)	Surface Treating Agent
Sort SQ-Light pink mine					
Kingtalfer SQ-1250	106126	8 μm	7	56	——
Kingtalfer SQ-2500	106127	5 μm	10	68	
Kingtalfer SQ-1250 AS	106143	8 μm	5	——	Triethoxycaprylylsilane
Kingtalfer SQ-2500 AS	106144	5 μm	7	——	
Kingtalfer SQ-1250 SI	106115	8 μm	5	——	Dimethicone
Kingtalfer SQ-2500 SI	106116	5 μm	7	——	
Kingtalfer SQ-1250 FL	106160	8 μm	5	——	Perfluorooctyl Triethoxysilane
Kingtalfer SQ-2500 FL	106161	5 μm	7	——	

Kingtalfer TALC

customizable

- Choose high quality mine and adopt the processing specialized for cosmetic talc.
- High whiteness, high purity, good cost performance.
- The content of heavy metals is very low. We can provide the national authority testing report for each batch .

Product Name	Product Code	Mean Particle Size	Specific Surface Area (m^2/g)	Oil Absorption (mL/100g)	Surface Treating Agent
Sort LS-Light green mine					
Kingtalfer LS-325	106134	16 μm	3	40	——
Kingtalfer LS-800	106139	12 μm	5	63	
Kingtalfer LS-1250	106132	8 μm	6	62	
Kingtalfer LS-2500	106133	5 μm	8	81	
Kingtalfer LS-800 AS	106145	12 μm	3	——	Triethoxycaprylylsilane
Kingtalfer LS-1250 AS	106140	8 μm	5	——	
Kingtalfer LS-2500 AS	106141	5 μm	7	——	
Kingtalfer LS-1250 SI	106118	8 μm	5	——	Dimethicone
Kingtalfer LS-2500 SI	106119	5 μm	7	——	
Kingtalfer LS-1250 FL	106162	8 μm	5	——	Perfluorooctyl Triethoxysilane
Kingtalfer LS-2500 FL	106163	5 μm	7	——	
Kingtalfer LS-1250 MM	106173	8 μm	3	——	Magnesium Myristate
Kingtalfer 1250 LL	106168	8 μm	4	——	Lauroyl Lysine
Kingtalfer 2500 LL	106169	5 μm	5	——	

MICA

Wet grinding flake as silk yarn.
Scale light flashing like pearls.

Kingcovite
WET PROCESSING MICA

- Wet milling stripping, lamellar structure remains intact.
- Microscopic scales of crystal.
- Concentrated in particle size distribution, high radius-thickness ratio, soft and smooth hand feeling.

Sort	Product Name	Product Code	Mean Particle Size	Surface Treating Agent
Sericite	Kingcovite 51	106234	12 μm	——
	Kingcovite 57	106238	10 μm	
	Kingcovite 5901 Matte Sericite	106286	12 μm	
	Kingcovite 51 AS	106220	12 μm	Triethoxycaprylylsilane
	Kingcovite 57 AS	106283	10 μm	
	Kingcovite 5901 AS Matte Sericite	106291	12 μm	
	Kingcovite 51 FL	106256	12 μm	Perfluorooctyl Triethoxysilane
	Kingcovite 51 LL	106269	12 μm	Lauroyl Lysine
Mica	Kingcovite 25	106224	10 μm	——
	Kingcovite 28 AS	106218	10 μm	Triethoxycaprylylsilane
	Kingcovite 28 FL	106254	10 μm	Perfluorooctyl Triethoxysilane
Synthetic Fluorphlogopite	Kingcovite 71	106233	20 μm	——
	Kingcovite 75	106274	10 μm	
	Kingcovite 71 AS	106266	20 μm	Triethoxycaprylylsilane
	Kingcovite 75 AS	106272	10 μm	
	Kingcovite 71 LL	106267	20 μm	Lauroyl Lysine
Composite Mica	Kingcovite 53	106235	12 μm	——
	Kingcovite 53 AS	106205	12 μm	Triethoxycaprylylsilane

COSMETIC PIGMENTS

Advanced processing technique,upgraded color quality.

Kingpigment
INORGANIC PIGMENTS

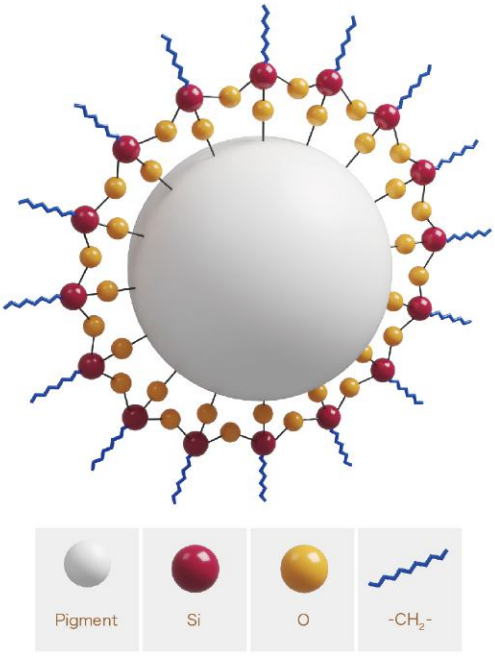
- *Strict control of production throughout the line, good batch consistency, △E <1.2.*
- *High chemical purity, high stability, high safety, can be used in all kinds of color cosmetics.*
- *Ultra-fine crushing, uniform particle size, improved color saturation and coloring power, upgraded color quality.*

Product Name	Product Code	Shape	Color	CI No.
Kingpigment 340Y NEW	112302	Needle	Ultrafine Yellow Iron Oxide	CI 77492
Kingpigment 920B NEW	112303	Spherality	Ultrafine Black Iron Oxide	CI 77499
Kingpigment 116R NEW	112306	Needle	Ultrafine Red Iron Oxide	CI 77491
Kingpigment 410G NEW	112440	Rhombus	Chromium Oxide Green	CI 77288
Kingpigment 510BL NEW	112451	Lamellar-granularity	Ultramarine Blue	CI 77007
Kingpigment 710V NEW	112460	Lamellar-granularity	Ultramarine Violet	CI 77007

Kingpigment VARIOUS SURFACE TREATMENT PIGMENTS

- *Wet processing technology, makes the coating more evenly.*
- *Improve the dispersibility and stability of pigments in the formula system.*
- *Provide "customized" service, tailor a variety of surface treatment products according to the formula system and performance requirements.*

Triethoxycaprylylsilane Surface Treatment

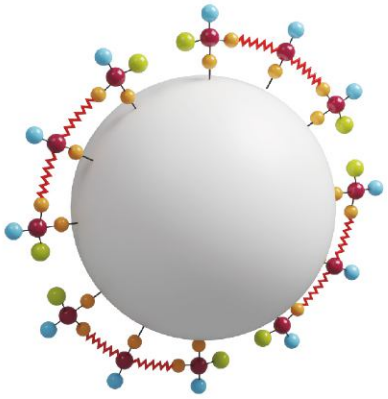


Effect diagram of AS treatment

- *Soft and smooth skin feeling.*
- *Excellent hydrophobicity.*
- *Easily disperse in oil and silicone.*
- *Low oil absorption, which can increase the pigment content in the system.*
- *Suitable for all kinds of cosmetics.*

Product Name	Product Code	Color	CI No.
Kingruti 90 AS	106537	*Titanium Dioxide*	CI 77891
Kingpigment 116R AS	112307	*Red Iron Oxide*	CI 77491
Kingpigment 340Y AS	112304	*Yellow Iron Oxide*	CI 77492
Kingpigment 920B AS	112305	*Black Iron Oxide*	CI 77499

Methicone Surface Treatment

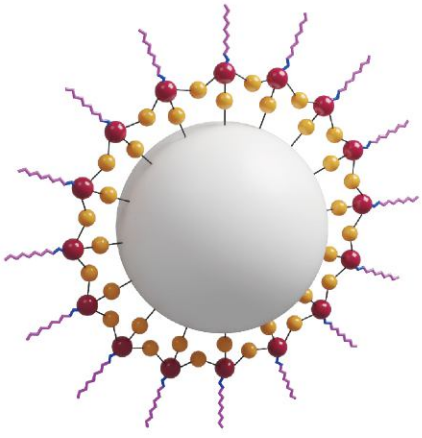


Effect diagram of MS treatment

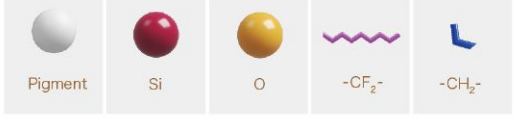
- *Chemical bonding, shear-resistant coating, wide application range of pH and temperature.*
- *Excellent waterproof effect, excellent dispersibility in silicone oil, suitable for W/Si system.*
- *Good resistance to agglomeration, strong powdery texture, excellent fluidity, suitable for pressed powder and loose powder.*
- *Suitable for makeup products such as pressed powder, eye shadow and loose powder.*

Product Name	Product Code	Color	CI No.
Kingruti 90 MS	106549	Titanium Dioxide	CI 77891
Kingpigment 116R MS	112326	Red Iron Oxide	CI 77491
Kingpigment 340Y MS	112325	Yellow Iron Oxide	CI 77492
Kingpigment 920B MS	112327	Black Iron Oxide	CI 77499

Perfluorooctyl Triethoxysilane Surface Treatment



Effect diagram of FL treatment

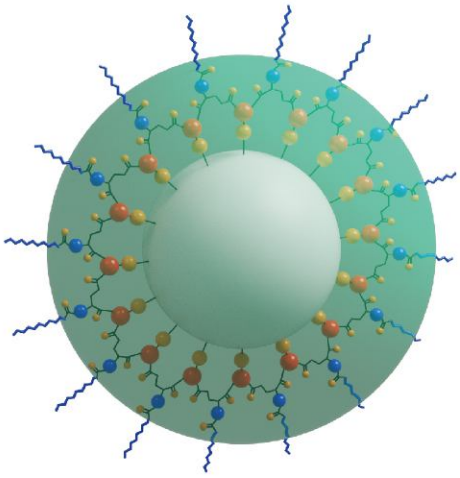


- *Shear-resistant coating & chemical bonding.*
- *Extremely strong hydrophobic and oleophobic effect.*
- *Long-lasting makeup, prevent sebum and sweat from damaging makeup.*
- *Smooth and soft, easy to spread.*
- *Suitable for makeup products such as loose powder, pressed powder, eye shadow, etc.*

Product Name	Product Code	Color	CI No.
Kingruti T-90 FL	106516	Titanium Dioxide	CI 77891
Kingpigment F-116R	112322	Red Iron Oxide	CI 77491
Kingpigment F-340Y	112314	Yellow Iron Oxide	CI 77492
Kingpigment F-920B	112315	Black Iron Oxide	CI 77499

Disodium Stearoyl Glutamate Surface Treatment

- *Amino acid surface treatment.*
- *Weak acidity, excellent skin affinity, creamy skin feeling.*
- *Excellent waterproof effect.*
- *Excellent color developing performance, excellent lipophilicity, fine and smooth, non-floating.*

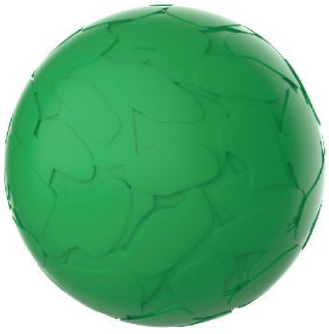


Effect diagram of DSG treatment

Product Name	Product Code	Color	CI No.
Kingruti 90 DSG	106546	*Titanium Dioxide*	CI 77891
Kingpigment 116R DSG	112319	*Red Iron Oxide*	CI 77491
Kingpigment 340Y DSG	112320	*Yellow Iron Oxide*	CI 77492
Kingpigment 920B DSG	112321	*Black Iron Oxide*	CI 77499

Lauroyl Lysine Surface Treatment

- *Wet amino acid surface treatment.*
- *Easily disperse in oil, excellent hydrophobicity.*
- *Soft and lubricating, excellent skin affinity.*
- *Good skin adhesion and abrasion resistance.*



Effect diagram of LL treatment

Product Name	Product Code	Color	CI No.
Kingruti 90 LL	106539	*Titanium Dioxide*	CI 77891
Kingpigment 116R LL	112323	*Red Iron Oxide*	CI 77491
Kingpigment 340Y LL	112309	*Yellow Iron Oxide*	CI 77492
Kingpigment 920B LL	112310	*Black Iron Oxide*	CI 77499

Hydrogenated Lecithin Surface Treatment

- Natural surface treatment agent, moisturizing and nourishing.
- Soft and silky touch, high skin affinity.
- Excellent hydrophobicity, quickly and evenly dispersed in oil without grinding.
- Emulsifying performance, improving stability in the system.

Product Name	Product Code	Color	CI No.
Kingruti 48 HL	106553	Titanium Dioxide	CI 77891
Kingpigment 116R HL	112348	Red Iron Oxide	CI 77491
Kingpigment 340Y HL	112347	Yellow Iron Oxide	CI 77492
Kingpigment 920B HL	112349	Black Iron Oxide	CI 77499

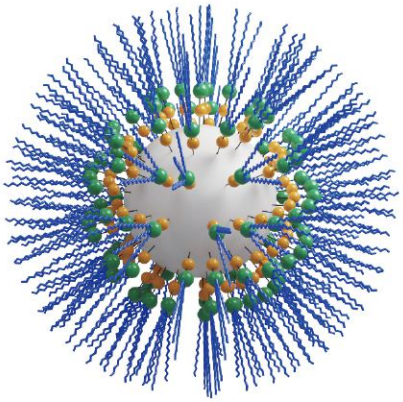
Magnesium Myristate Surface Treatment

- Wet metallic soap surface treatment.
- Preferable waterproof effect.
- Good skin adhesion and abrasion resistance.
- Soft and silky texture.

Effect diagram of MM treatment

Product Name	Product Code	Color	CI No.
Kingruti 90 MM	106550	Titanium Dioxide	CI 77891
Kingpigment 116R MM	112332	Red Iron Oxide	CI 77491
Kingpigment 340Y MM	112331	Yellow Iron Oxide	CI 77492
Kingpigment 920B MM	112333	Black Iron Oxide	CI 77499

Isopropyl Titanium Triisostearate Surface Treatment

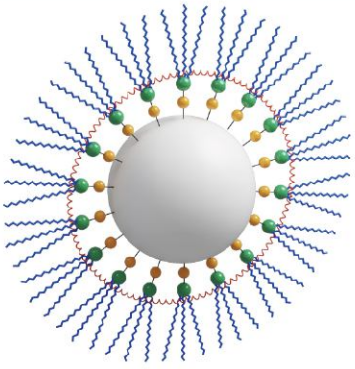


Effect diagram of TTS treatment

- Ultra-low oil absorption, increase the pigment loading in the formula.
- Easily disperse in various greases, including highly polar greases.
- Strong waterproof effect.
- Soft feeling, beneficial to powder compaction.

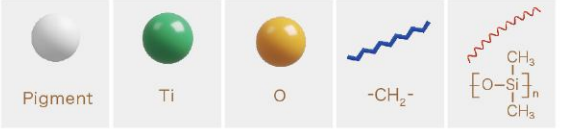
Product Name	Product Code	Color	CI No.
Kingruti 90 TTS	106551	Titanium Dioxide	CI 77891
Kingpigment 116R TTS	112335	Red Iron Oxide	CI 77491
Kingpigment 340Y TTS	112334	Yellow Iron Oxide	CI 77492
Kingpigment 920B TTS	112336	Black Iron Oxide	CI 77499

Isopropyl Titanium Triisostearate & Dimethicone Surface Treatments



Effect diagram of TTD treatment

- Presenting the advantages of silicone oil and titanate surface treatments.
- Superb dispersibility, suitable for a wide range of dispersion media, such as silicone oil, esters, and hydrocarbons.



Product Name	Product Code	Color	CI No.
Kingruti 90 TTD	106545	Titanium Dioxide	CI 77891
Kingpigment 116R TTD	112324	Red Iron Oxide	CI 77491
Kingpigment 340Y TTD	112317	Yellow Iron Oxide	CI 77492
Kingpigment 920B TTD	112318	Black Iron Oxide	CI 77499

- *High quality carbon black powder with excellent chemical stability.*
- *Nano carbon black, uniform particle size, high blackness and colouring power.*
- *Comply with Regulation (EC) No 1223/2009:*

  PAHs≤500ppb

  Benzo[a]pyrene≤5ppb

  Dibenz[a,h]anthracene≤5ppb
- *FDA Certification.*

Product Name	Product Code	Color	CI No.
Kingpigment 980B NEW	112480	*Carbon Black*	CI 77266

COSLLARY PRE-DISPERSED SLURRY

High content, together with good stability, enables your creation beyond whatever you imaged.

Different surface treatment powder and dispersion medium pigment dispersion can be customized.

King Powder
联锴粉体

The Patent NO. of China: ZL 201510779851.5

Cosllary

PRE-DISPERSED SLURRY

- We can completely disperse and evenly grind the powder, by adopting the unique pigment surface treatment technology and high pressure nanoparticle dispersion technology.
- The pigment powder is highly dispersed to improve the tinting strength, the texture and system stability.
- According to the formula system and product performance, different surface treatment agents and disperse medium can be customized for highly matched pigment dispersion.

OIL-BASED SLURRY[1]

Sort	Product Name	Product Code	Color	Pigment Content	CI No.
AS Treatment + Isononyl Isononanoate Dispersion Medium	Cosllary 347Y	131046	Yellow Iron Oxide	60%	CI 77492
	Cosllary 116R	131027	Red Iron Oxide	60%	CI 77491
	Cosllary 922B	131019	Black Iron Oxide	70%	CI 77499
	Cosllary 867W	131047	Titanium Dioxide	73%	CI 77891

OIL-BASED SLURRY[2]

Sort	Product Name	Product Code	Color	Pigment Content	CI No.
AS Treatment + Cyclopentasiloxane Dispersion Medium	Cosllary 3491Y	131042	Yellow Iron Oxide	50%	CI 77492
	Cosllary 1191R	131043	Red Iron Oxide	55%	CI 77491
	Cosllary 9291B	131044	Black Iron Oxide	60%	CI 77499
	Cosllary 8691W	131045	Titanium Dioxide	70%	CI 77891
DSG Treatment + Isononyl Isononanoate Dispersion Medium	Cosllary 343Y DSG	131029	Yellow Iron Oxide	50%	CI 77492
	Cosllary 117R DSG	131030	Red Iron Oxide	50%	CI 77491
	Cosllary 923B DSG	131031	Black Iron Oxide	65%	CI 77499
	Cosllary 865W DSG	131032	Titanium Dioxide	65%	CI 77891

ORGANIC PIGMENT & LAKE WATER-BASED SLURRY

Product Name	Product Code	Color	Pigment Content	CI No.
Cosllary aq 370Y	132105	Yellow	25%	CI 11680
Cosllary aq 170R	132106	Red	30%	CI 12490
Cosllary aq 570BL	132107	Blue	30%	CI 74160
Cosllary aq 383Y NEW	132133	Yellow 5 Lake	20%	CI 19140:1
Cosllary aq 583BL NEW	132134	Blue 1 Lake	20%	CI 42090:2
Cosllary aq 183R NEW	132135	Red 40 Lake	20%	CI 16035:1

- *With the advantages of bright color and pure chromaticity, Cosllary can be used to mix colors freely, design colorful and gorgeous make-up.*
- *Excellent fluidity and very easy to add.*
- *It is suitable for formulating eyeliner, mascara, nail polish, soap and other cosmetic products.*

INORGANIC PIGMENT WATER-BASED SLURRY

Product Name	Product Code	Color	Pigment Content	CI No.
Cosllary aq 848W	132112	Titanium Dioxide	60%	CI 77891
Cosllary aq 610R	132101	Red Iron Oxide	30%	CI 77491
Cosllary aq 630Y	132102	Yellow Iron Oxide	30%	CI 77492
Cosllary aq 650BL	132118	Ferric Ammonium Ferrocyanide	25%	CI 77510
Cosllary aq 692BR FDA	132104	Brown	30%	CI 77491 CI 77492 CI 77266
Cosllary aq 502BL NEW	132129	Ultramarine Blue	50%	CI 77007
Cosllary aq 401G NEW	132130	Chromium Oxide Green	60%	CI 77288
Cosllary aq 701V NEW	132131	Ultramarine Violet	50%	CI 77007

- *Outstanding fluidity, easy to add and disperse by simply stirring.*
- *It is very suitable for formulations of eyeliner, mascara, water-based nail polish and so on.*

HIGH WATERPROOF EYELINER SPECIALIZED WATER-BASED SLURRY

Product Name	Product Code	Color	Pigment Content	CI No.
Carbon Black W-889	103041	Carbon Black	35%	CI 77266
Carbon Black W-885 FDA	103043	Carbon Black	30%	CI 77266
Cosllary aq 691BR	132113	Brown	30%	CI 77491 CI 77492 CI 77266
Cosllary aq 171R	132114	Red	20%	CI 12490
Cosllary aq 572BL	132119	Blue	30%	CI 74160
Cosllary aq 271R	132120	Carmine	20%	CI 75470
Cosllary aq 611R NEW	132126	Red Iron Oxide	30%	CI 77491
Cosllary aq 631Y NEW	132127	Yellow Iron Oxide	30%	CI 77492
Cosllary aq 851W NEW	132132	Titanium Dioxide	65%	CI 77891

- *Specially designed pigment dispersion can greatly enhance the water resistance and friction resistance of eyeliner products, which effectively extends the makeup time.*
- *Outstanding fluidity, easy to add and disperse by simply stirring.*

Nano CARBON BLACK PRE-DISPERSION

The extremely black as inky is lasting and deep.
Thin viscosity is as the free flowing water liquidity.

Carbon black content as high as 30%

Nano CARBON BLACK PRE-DISPERSION

King Powder 联锴粉体

The Patent No. of China: ZL 201510781187.8

- Imported high quality carbon black, acid and alkali resistance, heat resistance, excellent chemical stability.
- High carbon black content and strong coloring ability.
- Excellent water-based carbon black dispersion, with good liquidity and stability.
- No dust and no pollution. The product is easy to operate and be added directly with stirring into formulation.

Product Name	Product Code	Content	Mean Particle Size of Carbon Black(nm)	Total PAHs	Regulation	Application Description
Carbon Black W-306	103037	30%	20-30	PAHs≤500ppb Benzo[a]pyrene≤5ppb Dibenz[a,h]anthracene≤5ppb	Obtain FDA certification	Easily apply to mascara, liquid eyeliner, etc.
Carbon Black W-386	103036	30%	20-30		Comply with EU regulations	
Carbon Black W-686	103034	30%	20-30	———	Comply with Chinese regulations	

Dispersibility (as shown below)

Dispersion experiments:

The right beaker of each picture is Nano carbon black dispersion from KingPowder, the left one is the same kind of product from market.

Testing method:

1 drop (0.05g) of the carbon black dispersed droplet into 100ml of distilled water, observe their dispersing processes under the condition of no stirring in water.

Testing result:

In dispersing time, dispersion uniformity and persistent time, nano carbon black dispersion from Kingpowder is superior to similar marketing products.

GRAPHENE WATER-BASED DISPERSION

Advanced technology creates the innovation of beauty makeup.

King Powder
联锴粉体

The Patent NO. of China: ZL 201710126579.X

GRAPHENE WATER-BASED DISPERSION

Graphene S004

- *Extra large specific surface area:* good colour rendering, strong adsorption capacity, could clean the skin effectively.
- *Special optical property:* grey black with pearlescent light, excellent photostability.
- *Unique dimensional structure:* it's bacteriostatic and bactericidal.
- *Transparent laminated structure:* effectively absorbs UV over a wide range of wavelengths.
- *It's easy to disperse and convenient to add with good fluidity.*

Product Name	Product Code	Application Description
Graphene S004	133002	*It can be a product appearance colorant, a substitution for bamboo charcoal, carbon black, iron black and water-based black dyes, and it can also be added to light protection products.*

Nano SUNSCREEN

The secret of beauty comes from the nanotechnology.

NanoT
Nano TiO_2 PRE-DISPERSION

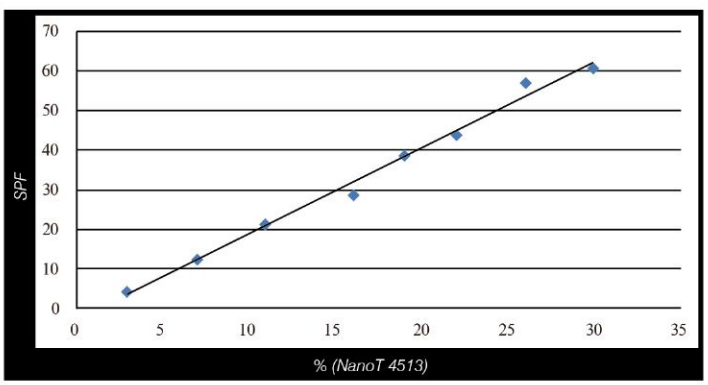
Product Name	Product Code	Powder Content	Primary Particle Size	Dispersion Medium
NanoT 1045	103076	45%	10 nm	C12-15 Alkyl benzoate
NanoT 4015	103080	40%	15 nm	C12-15 Alkyl benzoate
NanoT 2355	103077	55%	30 nm	Dimethicone
NanoT 4513	103001	50%	50 nm	C12-15 Alkyl benzoate
NanoT 4528	103014	50%	50 nm	Dicaprylyl carbonate
NanoT 5030	103002	50%	30 nm	Water, Glycerin
NanoT 4560 NEW	103090	65%	30 nm	C12-15 Alkyl benzoate

The advantage of NanoT Nano titanium dioxide dispersion:

- Excellent UV screener, the same titanium dioxide content of NanoT titanium dioxide dispersion contribution on SPF value is far higher than that of titanium dioxide powder.
- The micro size evenly dispersed completely, no flocculation.
- High transparency, easy to spread on the skin and not whitening.
- Excellent fluidity, can be easily dispersed without high-speed stirring.
- Simplified formula and process.

High quality NanoT dispersion, immediately improve the SPF performance as follow:

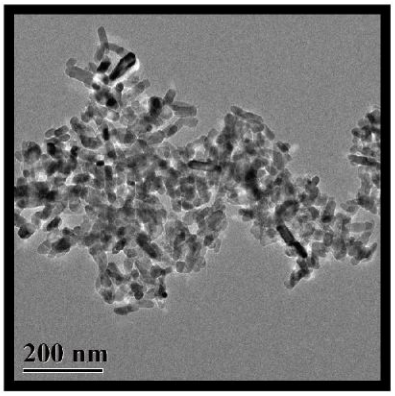
- Sunscreen cream
- Sunscreen lotion
- Day cream
- Foundation
- Anti-aging and whitening product



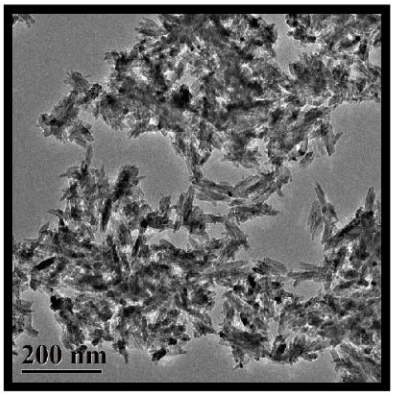
The in-vitro SPF data comes from KingPowder's lab, tested with Labsphere UV-2000S.

NanoT
Nano TiO_2 POWDER

- High purity, crystal pure, excellent pure rutile-type nano titanium dioxide.
- High transparency, high UV-shielding rate.
- Narrow diameter distribution.
- Good dispersiblity.



TEM image of NanoT N30E



TEM image of NanoT N15E

Product Name	Product Code	Primary Particle Size	Surface Treating Agent	Surface Property
NanoT N10E	103081	10 nm	Aluminium hydroxide & Isostearic acid	Lipophilic
NanoT N15E	103023	15 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT 23M	103021	30 nm	Silica & Triethoxycaprylylsilane	Lipophilic
NanoT N20E	103004	50 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT N30E	103017	30 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT S30W	103028	30 nm	Silica & Aluminium hydroxide	Hydrophilic
NanoT S25W	103005	30 nm	Silica	Hydrophilic

NanoT Z
Nano ZnO POWDER

- Excellent ultraviolet shielding function, adsorption of full-wave band of UVA and UVB.
- Excellent antibacterial and antimicrobial function.
- Superfine and uniform particle with high transparency.
- Good dispersiblity.

Product Name	Product Code	Primary Particle Size	Surface Treating Agent
NanoT Z-45	103065	50 nm	———
NanoT Z-45 AS	103063	50 nm	Triethoxycaprylylsilane

NanoT Z
Nano ZnO PRE-DISPERSION

- Excellent fluidity, easy to add and disperse by simply stirring.
- High transparency, easy to spread on the skin and not whitening.
- It's dispersed completely by ultra-high pressure, no flocculation.

Product Name	Product Code	Powder Content	Primary Particle Size	Dispersion Medium
NanoT Z-6060	103079	60%	50 nm	C12-15 Alkyl benzoate
NanoT Z-6050	103078	50%	50 nm	Dimethicone

KINGMAGIC ALLOCHROIC PARTICLES

Magic color enjoyment is infinite.

Gently rub it, fit the skin color perfectly.

Toning freely with any six allochroic particles

King Powder
联锴粉体

KINGMAGIC ALLOCHROIC PARTICLES

- *Advanced pigment coated technologies, derived from iron oxides, chromium oxide product.*
- *Application convenient, do not need to use special equipment.*
- *Magic effect, species diversity, which gives high cost-effective formula.*
- *High safety, low heavy metal content.*

Product Name	Product Code	Color
Kingmagic WB-160 Talc-free	108512	White to Black
Kingmagic WY-160 Talc-free	108513	White to Yellow
Kingmagic WR-160 Talc-free	108514	White to Red
Kingmagic WBr-160 Talc-free	108515	White to Brown
Kingmagic WG-160 Talc-free	108516	White to Green
Kingmagic BS-160 Talc-free	108517	Gray to Wheat color

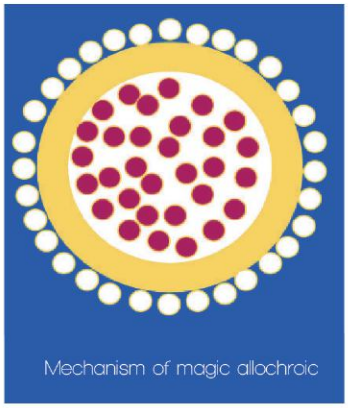
Application Description

Applicable to any type of emulsion and cream (eg: W/O, O/W, W/Si, Si/W).

Magic allochronic particles should be input and stirred under 50℃, mixed by blade instead of homogeneous method.

All filtration process of the finished product should finish before the inputting of magic allochronic particles.

Caution: finish product filling before particles become soft, otherwise the breakage of particles may affect the product appearance.



Mechanism of magic allochroic

LIGHT RESISTANT WATER SOLUBLE DYES

Stable, colorful and beautiful.

LIGHT RESISTANT WATER SOLUBLE DYES

King Powder 联锴粉体

KingPowder's light resistant dyes have good color stability and long-term light resistant performance. A variety of dyes, can be used in various water-based and water-alcohol system of personal care products. The recommended dosage is in the range of 0.05%-0.20%. KingPowder provides you with a perfect solution for discoloration of illumination.

Color of the 1% dilution

Color of 1% aqueous solution	Product Name	Product Code	CI.No	pH Stable Range	Light Stability	Usage			
						USA	EU / CN	JP	KR
	Soapcolor R33 (Red 33)	117004	17200	3-11	★★★★★	M	1	I	i
	Soapcolor Y5 (Yellow 5)	117005	19140	3-11	★★★★★	EA	1	I	i
	Soapcolor B5 (Blue 5)	117006	42051	9-12	★★★★★	---	1	---	---
	Kingcolor R40 (Red 40)	119015	16035	3-11	★★★★★	EA	1	---	i
	Kingcolor R33 (Red 33)	119016	17200	3-11	★★★★★	M	1	I	i
	Kingcolor Y6 (Yellow 6)	119017	15985	3-11	★★★★	M	1	I	i
	Kingcolor Y5 (Yellow 5)	119018	19140	3-11	★★★★★	EA	1	I	i
	Kingcolor B1 (Blue 1)	119019	42090	3-11	★★★★	EA	1	I	i
	Kingcolor B5 (Blue 5)	119020	42051	9-12	★★★★★	---	1	---	---
	Kingcolor V2 (Violet 2)	119021	60730	3-11	★★★★★	EXT	3	IIb	ii

Note:

USA	Europe/China	Japan	KR
M: It can be used in all cosmetics except eyes products. EA: It can be used in all cosmetics include eyes products. EXT: External use.	1: Color additives, can be used in all cosmetics. 2: Color additives, can be used in all cosmetics except eyes products. 3: Color additive, can be used in cosmetics that do not touch the mucous membrane.	I: Synthetic dyes, can be used in all medicines, generics and cosmetics. II: Synthetic dyes, can be used in medicines, generics and cosmetics for external use. IIa: : Except the eyes. IIb: Except the mucous membrane. IIc: Except the eyes and the mucous membrane.	i: Permitted in all cosmetics. ii: Can not be applied to eye area and lips.

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