

Kingbornit

Kingbismo

Kingcovite

Cosllary



Kingaolir

King Powder

联锆粉体

Kingsica

Kingtalfer Kingruti

Kingpigment

A close-up, high-contrast photograph of a woman's eye. The eye is light blue with a dark pupil. The eyelids are heavily lined with dark, smoky eye makeup. The lower eyelid features a vibrant, iridescent green and blue shimmer. The upper eyelid is adorned with a thick, dark, and voluminous layer of mascara. The surrounding skin is fair, and the overall lighting is bright, creating a soft glow around the eye.

**The
source
of
colorfulness
and
charm**



致力于全球领先粉体材料的创新及研究

COMMITTED TO INNOVATION AND RESEARCH OF WORLD-LEADING POWDER MATERIALS



King Powder
联锴粉体

匠技匠心

PROFESSIONAL EXPERTISE TO CRAFTSMANSHIP

至诚至精

SINCERE COLLABORATION TO POSSIBILITIES

About Factory

35,000 square meters area

ISO 9001 Quality Management System

SA8000 Social Accountability Standard

High standard production workshops and production lines

Professional R&D and testing team, and 35000 square meters laboratory space



Registration, Evaluation, Authorization and Restriction of Chemicals



Halal Certificate



FDA Certificate



Roundtable on Sustainable Palm Oil



The Responsible Mica Initiative



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Kingbornit
Wet Stripping Boron Nitride 03

Kingsica Silica 06

The Patent No. of China: ZL 201510781190.X

The Patent No. of China: ZL 201711247001.6

The Patent No. of China: ZL 202110329281.5

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SI Surface Treatment AS Surface Treatment

MS Surface Treatment DSG Surface Treatment

LL Surface Treatment HL Surface Treatment

MM Surface Treatment TTS Surface Treatment

TTD Surface Treatment AMQ Surface Treatment

AQ Hydrophilic Modification

Cosllary Pre-dispersed Slurry

The Patent No. of China: ZL 201510779851.5

Long-wearing Foundation Specialized
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The Patent No. of China: ZL 201510781187.8

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The Patent No. of China: ZL 201710126579.X

NanoT Nano TiO₂ Powder 44

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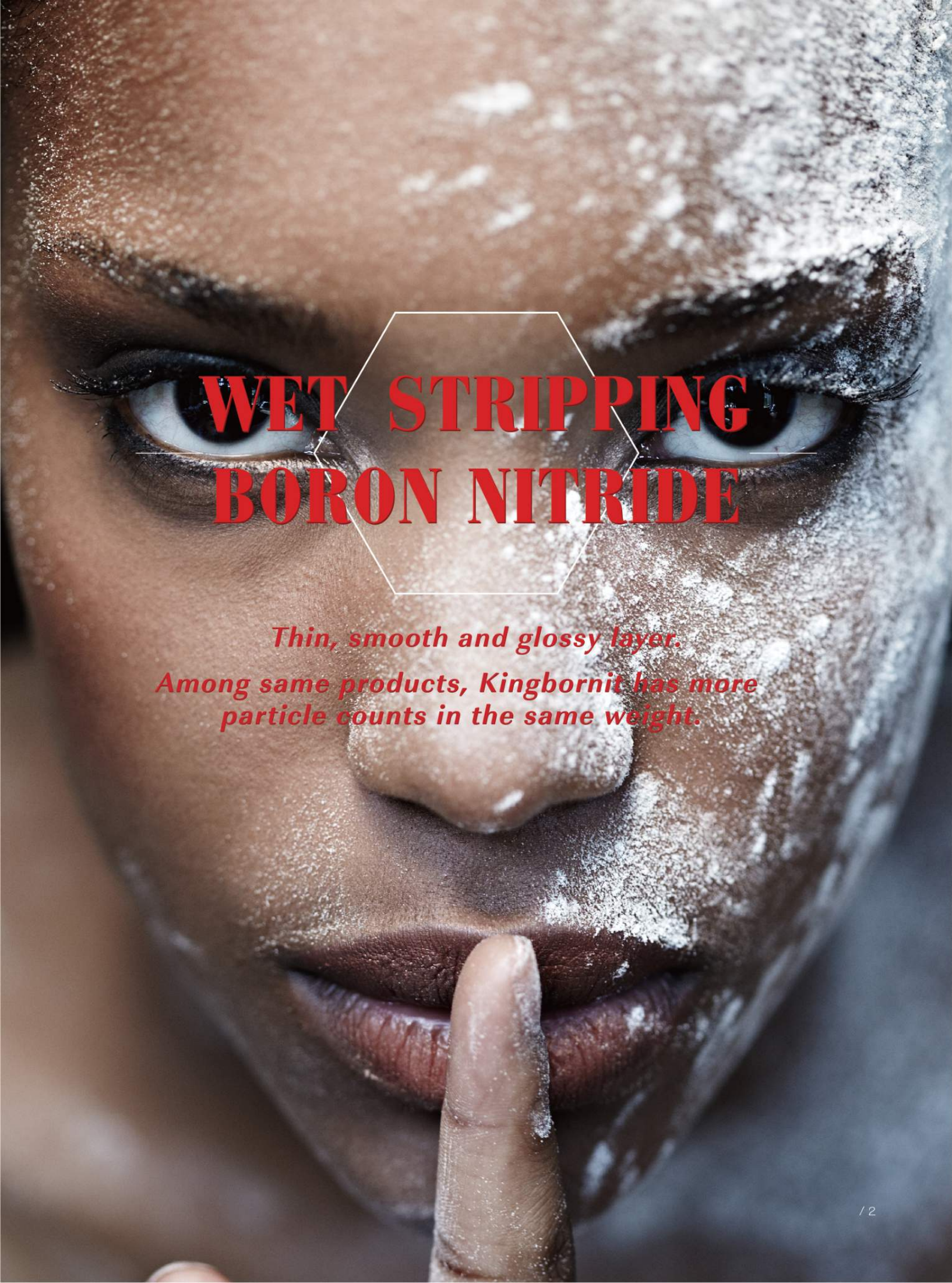
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The Patent No. of China: ZL202010923141.6

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WET STRIPPING BORON NITRIDE

Thin, smooth and glossy layer.

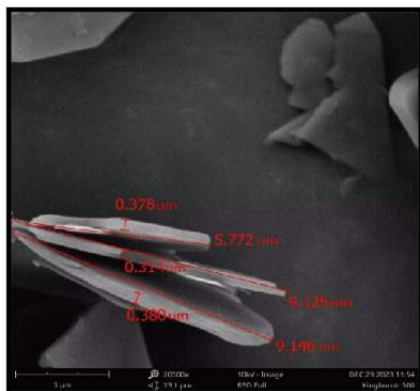
*Among same products, Kingbornit has more
particle counts in the same weight.*

WET STRIPPING BORON NITRIDE

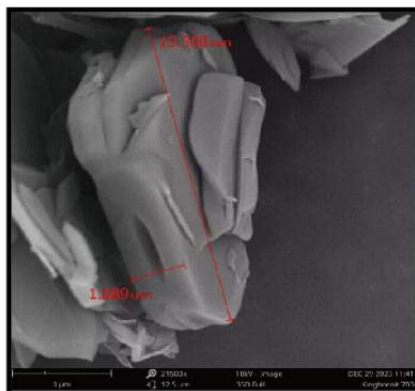


The wet stripping technology enables more complete peeling, thinner lamellar, lighter particles, high radius-thickness ratio, high specific surface area, more uniform particle size distribution, and higher cost performance.

Among products with the same particle size, the radius-thickness ratio is 3-5 times higher.

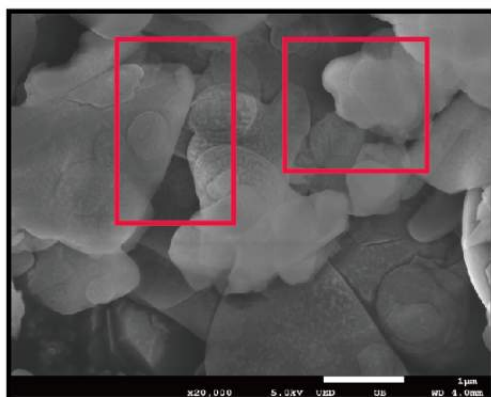


SEM of Wet Stripping BN Kingbornit 500

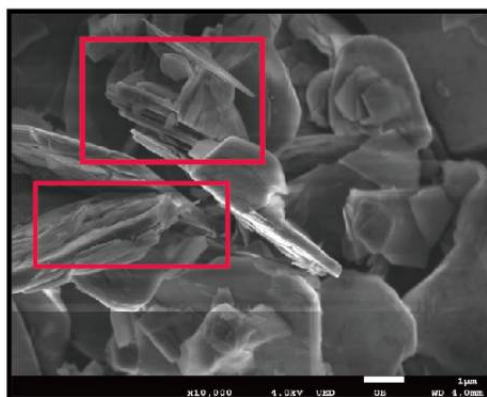


SEM of Dry Grinding BN Kingbornit 700

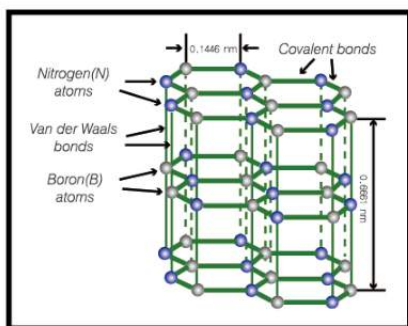
The boron nitride particles obtained by wet process is rounded without edges and corners, showing a perfect luster effect, and has excellent slippage and skin adhesion.



SEM of Wet Stripping BN Kingbornit 3012



SEM of Dry Grinding BN Kingbornit 700



Hexagonal boron nitride structure

Basic Property of Boron Nitride

Chemical inertness, safety and non-poisonous.

High refractive index, brighten skin tone.

Like graphite layered structure, low friction coefficient and excellent spreadability.

Different particle sizes can present a variety of optical properties.

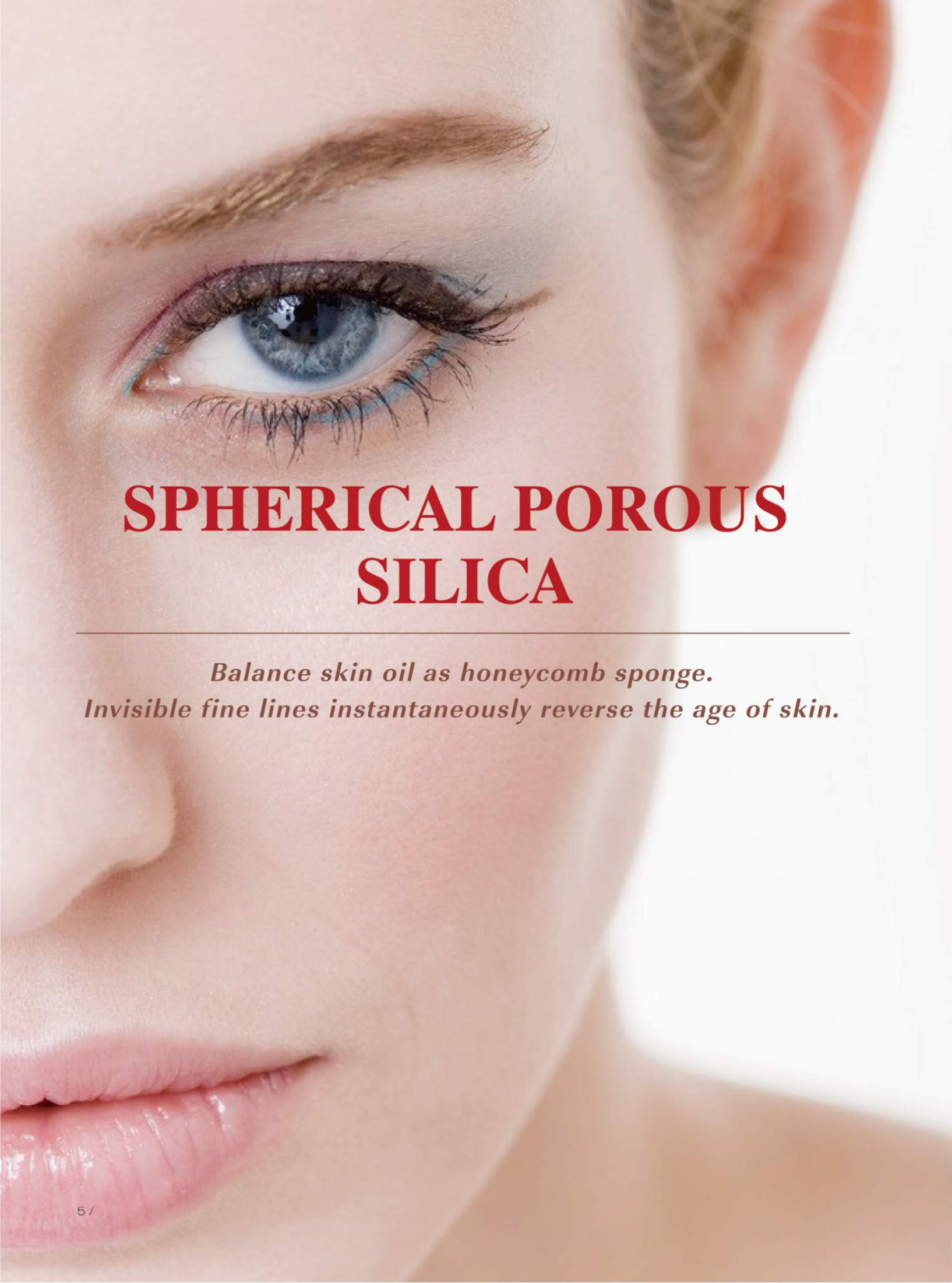
Unique wet stripping technology from KingPowder strictly controls the content of risky substances, complying with different regulatory requirements.

Country and Region	Regulation	Requirements
CN	Safety and Technical Standards for Cosmetics (2015 edition)	The detection limit of boric acid and borates in cosmetics is 0.005%.
JP	JSQI	Elution Amount of Boron $\leq 20\text{ppm}$
USA	CIR	$B_2O_3 \leq 0.1\%$
EU	Regulation (EC)No. 1223/2009	Boric acid and its borates are prohibited substances in cosmetics.

Product Name	Product Code	Mean Particle Size	Specific Surface Area (m^2/g)	Regulation
Kingbornit 7006	110526	6 μm	9	Soluble Borates $\leq 0.02\%$
Kingbornit 7012	110527	12 μm	4	
Kingbornit 7015	110528	15 μm	3	
Kingbornit 7020	110529	20 μm	2	
Kingbornit 9006	110514	6 μm	8	Comply with JSQI, Elution Amount of Boron $\leq 20\text{ppm}$
Kingbornit 9011	110515	11 μm	4	
Kingbornit 9015	110518	15 μm	3	
Kingbornit 9020	110519	20 μm	2	
Kingbornit 3002	110502	2 μm	10	Soluble Borates $\leq 0.1\%$
Kingbornit 500	110501	6 μm	8	Soluble Borates $\leq 0.06\%$
Kingbornit 3012	110506	12 μm	3	
Kingbornit 3015	110516	15 μm	3	
Kingbornit 3020	110517	20 μm	2	

Dry grinding boron nitride are also available, different particle sizes, $B_2O_3 \leq 0.1\%$.

The above boron nitride with surface treatments like triethoxycaprylsilane, dimethicone, PEG-12 dimethicone, and silica can be provided.

A close-up, high-resolution photograph of a woman's face, focusing on her eyes and skin. She has light blue eyes, well-defined eyebrows, and smooth, fair skin. The lighting is soft and even, highlighting the texture of her skin and the color of her eyes. The background is a plain, light color.

SPHERICAL POROUS SILICA

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

Kingsica SPHERICAL POROUS SILICA

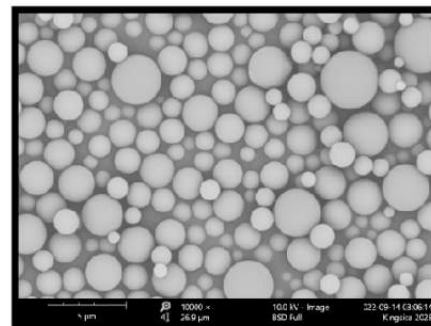


The Patent No. of China: ZL 201510781190.X

The Patent No. of China: ZL 201711247001.6

The Patent No. of China: ZL 202110329281.5

- Patented technology for the synthesis of spherical porous silica.
- Products with different particle sizes from 2 to 200 μm can be provided.
- Narrow particle size distribution, high spheroidization rate, good fluidity, superior slipperiness.
- Porous surface, strong light diffuse reflection, soft focus effect.
- Highly effective sunscreen enhancer from natural source helps reduce the amount of sunscreen added to the formula.
- Subdivided product series, meet various technical needs.



SEM image of silica

Sort	Product Name	Product Code	Mean Particle Size	Oil Absorption (mL/100g)
High spheroidization	Kingsica HS-005 New	107236	0.5 μm	35
	Kingsica HS-06 New	107233	6 μm	100
Suitable for sprays	Kingsica 2028	107144	2 μm	90
Common	Kingsica 3028	107137	3 μm	90
	Kingsica 5028	107128	7 μm	100
	Kingsica 1228	107146	12 μm	100
	Kingsica 4062	107169	4 μm	130
	Kingsica 8062	107168	8 μm	130
High Oil Absorption	Kingsica S151	107183	10 μm	150
	Kingsica S201	107164	10 μm	200
	Kingsica S300	107162	10 μm	300
	Kingsica S202	107180	5 μm	200
	Kingsica S302	107181	5 μm	300
Low Oil Absorption	Kingsica S060	107184	8 μm	60
Scrub	Kingsica PC20	107301	20 μm	100
	Kingsica PC100	107304	100 μm	120
	Kingsica PC150	107305	150 μm	130
	Kingsica PC200	107306	200 μm	130
	Kingsica PC300 New	107309	300 μm	120

The above silica with surface treatments like triethoxycaprylsilane, dimethicone and methicone can be provided.

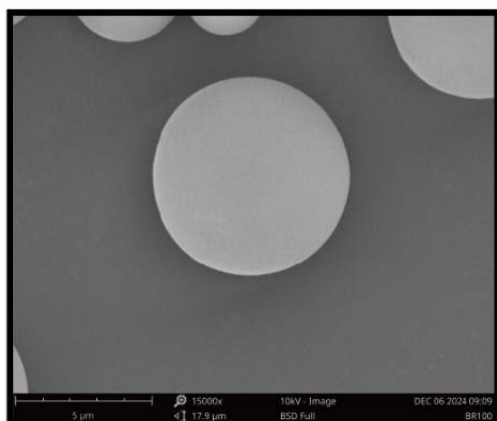
Green and efficient sunscreen enhancer

Kingsica SPHERICAL POROUS SILICA

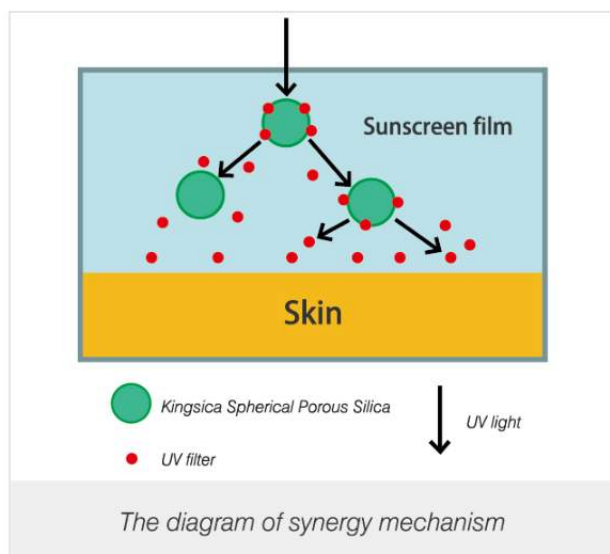


★ Synergy mechanism:

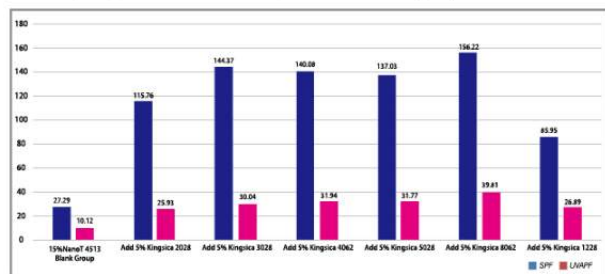
Ultraviolet light hits on the surface of the sphere, scatters to extend the light path, to further increase the absorption of ultraviolet light.



SEM--The appearance of Kingsica spherical porous silica



Test of synergistic effect of 5% Kingsica in nano TiO_2 dispersion NanoT 4513



The data comes from KingPowder's lab, tested with Labsphere UV2000S.

Comparison of Kingsica in sunscreen lotion formula

Phase	Trade Name	Main Composition	Wt%		Supplier
A	Isododecane	Isododecane	6.00	6.00	Mobil
	NanoT 4513	Titanium Dioxide & C12-15 Alkyl Benzoate	5.00	5.00	KingPowder
	NanoT Z-6060	Zinc Oxide & C12-15 Alkyl Benzoate	5.00	5.00	KingPowder
	Parsol Shield	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	1.50	1.50	DSM
	Parsol DHHB	Diethylamino Hydroxybenzoyl Hexyl Benzoate	1.00	1.00	DSM
	Parsol MCX	Ethylhexyl Methoxycinnamate	5.00	5.00	DSM
	Parsol EHS	Ethylhexyl Salicylate	1.50	1.50	DSM
	Kingsica 4062	Silica	Blank	4.00	KingPowder
B	SiCare 2115F	PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer & Silica	3.00	3.00	Silok
	Bentgel-PC	Isododecane & Distearidimonium Hectorite	7.00	7.00	KingPowder
	KF-6038	Lauryl PEG-9 Polydimethylsiloxethyl Dimethicone	2.00	2.00	ShinEstsu
C1	ABIL EM 90	Cetyl PEG/PPG-10/1 Dimethicone	1.00	1.00	Evonik
	SiCare 2215	PEG-10 Dimethicone	1.00	1.00	Silok
C2	50%TMS 803 (D5)	Trimethylsiloxysilicate & Cyclopentasiloxane	8.00	8.00	Waker
D1	Deionized water	Water	To 100	To 100	KingPowder
	Glycerin	Glycerin	10.00	10.00	PALMAC
	Propylene Glycol	Propylene Glycol	8.00	8.00	SK
	Xanthan Gum	Xanthan Gum	0.05	0.05	CP Kelco
	NaCl	Sodium Chloride	0.80	0.80	AR
D2	Alcohol	Alcohol	6.00	6.00	AR
E	Euxyl PE 9010	Phenoxyethanol & Ethylhexylglycerin	0.50	0.50	Ashland
(UV-2000S) Comparison of sun protection data		SPF	69.37	112.31	
		UVA-PF	16.61	35.61	

Transparent SPHERICAL POROUS SILICA



Product Name	Product Code	Mean Particle Size	Oil Absorption (mL/100g)
Kingsica TR070 SI	107186	9 μm	70



Spherical porous SILICA FOR WATER LOOSE POWDER



Product Name	Product Code	Mean Particle Size	Oil Absorption (mL/100g)
Kingsica 5052 MS New	107234	6 μm	90

Amorphous silica THICKER & SUSPENDING AGENT



- ✧ Excellent thickening and suspension effect, can suspend pigments, pearl powder and so on, to prevent precipitation.
- ✧ Increase product stability and thixotropy.
- ✧ When dispersed in oil, it can form a transparent and smooth gel state.

Product Name	Product Code	Specific Surface Area(m^2/g)	Oil Absorption (mL/100g)
Kingsica K15 Silica Dimethyl Silylate	107135	150	300

A close-up photograph of a woman's face, focusing on her right eye and cheek. She has light blue eyes and blonde hair. Two thick, white, textured strokes of cream or sunscreen are applied to her right cheek, just below the eye. The background is plain white.

TITANIUM DIOXIDE

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

Kingruti

TITANIUM DIOXIDE



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

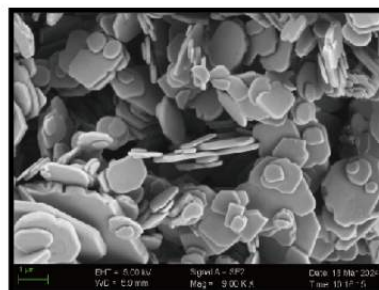


Type	Product Name	Product Code	Mean Particle Size	Whiteness	Surface Coating Agent
Rutile	Kingruti T-02	106402	420 nm	≥91	Aluminum Hydroxide
	Kingruti T-48	106404	400 nm	≥90	Aluminum Hydroxide
	Kingruti T-60	106410	210 nm	≥92	Aluminum Hydroxide
	Kingruti T-90	106411	280 nm	≥92	Aluminum Hydroxide Silica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

The above titanium dioxide with surface treatments like triethoxycaprylsilane, dimethicone methicone, disodium stearyl glutamate, lauroyl lysine, magnesium myristate, isopropyl titanium triisostearate and silica can be provided.

Kingbismo

BISMUTH OXYCHLORIDE



SEM of Kingbismo B012

- ☆ A highly glossy pigment, can impart a metallic luster effect to products.
- ☆ With excellent skin adhesion, compressibility and bonding, it can enhance the drop-resistance of products such as pressed powder, eye shadow.
- ☆ Lamellar structure gives the product a smooth and silky touch.

Product Name	Product Code	Shape	Color	CI No.	Mean Particle Size
Bismuth Oxychloride Kingbismo B012	108114	Lamellar		CI 77163	12 μm

Regulation

Item	INCI				Lips				Eyes			
	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN
Bismuth Oxychloride	CI 77163	Bismuth Oxychloride	Bismuth Oxychloride	CI 77163	✓	✓	Not regulated.	✓	✓	✓	Not regulated.	✓

CALCINED KAOLIN

Unique process, low heavy metal content,
in compliance with global regulations.

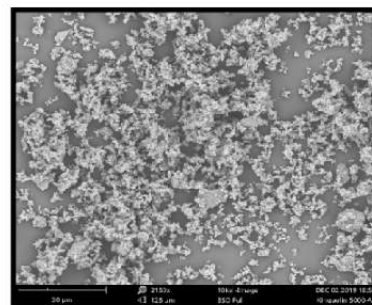
Kingaolin GL03

Comply with
global regulations

Kingaolin CALCINED KAOLIN



- ☆ High whiteness, high purity.
- ☆ Porous surface, high adsorption.
- ☆ Compared with washing method, calcination process greatly reduces the organic matter in kaolin and is less prone to grow bacteria.
- ☆ The conductivity is lower than 50 $\mu\text{S}/\text{cm}$, effectively avoiding the impact on the system's stability.



SEM image of Kingaolin 5000

Product Name	Product Code	Mean Particle Size
Kingaolin 5000	106324	2 μm
Kingaolin GL03 Comply with global regulations	106329	3 μm

The above kaolin with surface treatments like triethoxycaprylsilane can be provided.

TALC

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



Kingtalfer TALC

- ☆ High quality light green mine, high whiteness, high purity.
- ★ Processing technology for cosmetic talcum powder, concentrated in particle size distribution.
- ☆ NO asbestos, 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)	Description
Comply with BVL					
Kingtalfer LS-6005	106176	5 μm	8	82	Meet BVL heavy metal requirements. Arsenic≤0.5mg/kg , Mercury≤0.1mg/kg , Lead≤2.0mg/kg , Cadmium≤0.1mg/kg , Antimony≤0.5mg/kg
Kingtalfer LS-6008	106177	8 μm	6	66	
Light Green Mine					
Kingtalfer LS-325	106134	16 μm	3	40	Choose high quality light green mine, good cost performance. Processing technology for cosmetic talc powder, high quality. No asbestos, almost does not contain heavy metals.
Kingtalfer LS-800	106139	12 μm	5	63	
Kingtalfer LS-1250	106132	8 μm	6	62	
Kingtalfer LS-2500	106133	5 μm	8	81	

The above talc with surface treatments like triethoxycaprylsilane, dimethicone, perfluorooctyl triethoxysilane, methicone, disodium stearyl glutamate, lauroyl lysine, magnesium myristate and isopropyl titanium triisostearate can be provided.

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
Replace Talc	Kingcovite 5504 New	106318	6 μm
	Kingcovite 5505 New	106319	8 μm
	Kingcovite 77	106294	8 μm
	Matte Synthetic Fluorphlogopite		
	Kingcovite 5507 New	106384	12 μm
Sericite	Kingcovite 5501P New Pb < 5ppm	106388	5 μm
	Kingcovite 5901	106286	12 μm
	Matte Sericite		
	Kingcovite 51	106234	12 μm
	Kingcovite 5501	106244	5 μm
	Kingcovite 57	106238	12 μm
Mica	Kingcovite 25	106224	10 μm
Synthetic Fluorphlogopite	Kingcovite 7704 New	106381	8 μm
	Matte, Amount of fluoride eluted < 20ppm		
	Kingcovite 71	106233	20 μm
	Kingcovite 75	106274	10 μm
	Kingcovite 74	106245	6 μm
	Kingcovite 6710 Comply with BVL* heavy metal requirements	106297	10 μm
* BVL, Arsenic $\leq 0.5\text{mg/kg}$, Mercury $\leq 0.1\text{mg/kg}$, lead $\leq 2.0\text{mg/kg}$, Cadmium $\leq 0.1\text{mg/kg}$, Antimony $\leq 0.5\text{mg/kg}$			

The above mica with surface treatments like triethoxycaprylsilane, dimethicone, perfluorooctyl triethoxysilane, methicone, disodium stearoyl glutamate, lauroyl lysine, magnesium myristate and isopropyl titanium triisostearate can be provided.

A close-up photograph of a woman's face, her eyes closed, with her skin covered in a dense layer of vibrant, multi-colored cosmetic pigments. The pigments are in shades of pink, magenta, blue, green, and yellow, creating a textured, almost abstract effect. She is wearing a thin, dark, beaded necklace. The background is dark and out of focus.

COSMETIC PIGMENTS

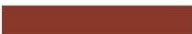
Advanced processing technique, upgraded color quality.

Kingpigment INORGANIC PIGMENTS



- ★ Strict control of production throughout the line, good batch consistency, $\Delta E < 1.0$.
- ★ Ultra-fine crushing, uniform particle size, improved color saturation and coloring power, conducive to stabilizing the system.
- ★ High chemical purity, high stability, high safety, can be used in all kinds of color cosmetics.

Ultrafine Processing Series

Product Name	Product Code	Shape	Color	CI No.
Ultrafine Yellow Iron Oxide Kingpigment 340Y	112302	Needle		CI 77492
Ultrafine Black Iron Oxide Kingpigment 920B	112303	Spherality		CI 77499
Ultrafine Red Iron Oxide Kingpigment 116R	112306	Needle		CI 77491
Ultrafine Chromium Oxide Green Kingpigment 410G	112440	Rhombus		CI 77288
Ultrafine Ultramarine Blue Kingpigment 510BL	112451	Lamellar-granularity		CI 77007 Unstable under acidic conditions
Ultrafine Red Iron Oxide Kingpigment 113R New	112350	Spherality		CI 77491
Ultrafine Ultramarine Violet Kingpigment 710V	112460	Lamellar-granularity		CI 77007 Unstable under acidic conditions
Ultrafine Brown Iron Oxide Kingpigment 813BR New	112379	Mix		CI 77491 CI 77492 CI 77499

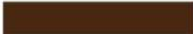
The above pigment with surface treatments like triethoxycaprylsilane, dimethicone, methicone, disodium stearyl glutamate, lauroyl lysine, magnesium myristate, isopropyl titanium triisostearate and silica can be provided.

Kingpigment

INORGANIC PIGMENTS



Regular Series

Product Name	Product Code	Shape	Color	CI No.
Red Iron Oxide Kingpigment 135R New	112389	Spherality		CI 77491
Yellow Iron Oxide Kingpigment 345Y New	112341	Needle		CI 77492
Black Iron Oxide Kingpigment 925B New	112342	Spherality		CI 77499
Brown Iron Oxide Kingpigment 815BR New	112388	Mix		CI 77491 CI 77492 CI 77499

Regulation

Item	INCI				Lips				Eyes			
	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN
Titanium Dioxide	☐ 77891	Titanium Dioxide	Titanium Dioxide	☐ 77891	✓	✓	Not regulated.	✓	✓	✓	Not regulated.	✓
Yellow Iron Oxide	☐ 77492	Iron Oxides	Yellow Oxide of Iron	☐ 77492	✓	✓		✓	✓	✓		✓
Red Iron Oxide	☐ 77491	Iron Oxides	Red Oxide of Iron	☐ 77491	✓	✓		✓	✓	✓		✓
Black Iron Oxide	☐ 77499	Iron Oxides	Black Oxide of Iron	☐ 77499	✓	✓		✓	✓	✓		✓
Chromium Oxide Green	☐ 77288	Chromium Oxide Greens	Chromium Oxide	☐ 77288	✓	×		✓	✓	✓		✓
Ultramarine Blue	☐ 77007	Ultramarines	Ultramarine Blue	☐ 77007	✓	×		✓	✓	✓		✓
Ultramarine Violet	☐ 77007	Ultramarines	Ultramarine Violet	☐ 77007	✓	×		✓	✓	✓		✓

Kingpigment

ORGANIC PIGMENTS



- ★ Cosmetic grade organic pigment, high purity, high safety.
- ★ High coloring power, high chroma, giving superior beauty of color.
- ★ Strictly controlled production process, stable product consistency, accurate control of color difference with $\Delta E < 1.0$.

Masstone	5% Tint	Generic Name	Product Name	Pure Dye Content (%)	Product Code	CI No.
		Red 30 Lake	Kingpigment 150R	30-50	112411	CI 73360:1
		Red 6	Kingpigment 160R	≥90	112412	CI 15850
		Red 40 Lake	Kingpigment 180R	35-48	112413	CI 16035:1
		Red 7	Kingpigment 190R	≥90	112414	CI 15850:1
		Red 27 Lake	Kingpigment 210R	15-22	112415	CI 45410:2
		Red 28 Lake	Kingpigment 220R	20-25	112416	CI 45410:2
		Red 33 Lake	Kingpigment 230R	20-25	112417	CI 17200:1
		Carmine	Kingpigment 271R	52-62 Carminic acid	112421	CI 75470
		Yellow 5 Lake	Kingpigment 380Y	23-28	112430	CI 19140:1
		Yellow 6 Lake	Kingpigment 390Y	20-28	112432	CI 15985:1
		Blue 1 Lake	Kingpigment 580BL	20-28	112450	CI 42090:2

The above pigment with surface treatments like triethoxycaprylylsilane and isopropyl titanium triisostearate can be provided.

HIGH COST EFFECTIVE ORGANIC PIGMENT & LAKE



☆ High safety, in line with regulatory requirements. Color difference $\Delta E < 1.0$

Generic Name	Product Name	Pure Dye Content (%)	Product Code	CI No.
Red 30 Lake	Kingpimet 1502R	15-25	112482	CI 73360:1
Red 6	Kingpimet 1602R	40-60	112483	CI 15850
Red 40 Lake	Kingpimet 1802R	20-30	112484	CI 16035:1
Red 7	Kingpimet 1902R	40-60	112485	CI 15850:1
Red 27 Lake	Kingpimet 2102R	8-15	112486	CI 45410:2
Red 28 Lake	Kingpimet 2202R	10-20	112487	CI 45410:2
Red 33 Lake	Kingpimet 2302R	8-15	112488	CI 17200:1
Carmine	Kingpimet 2712R	25-35 Carmine acid	112489	CI 75470
Yellow 5 Lake	Kingpimet 3802Y	10-18	112490	CI 19140:1
Yellow 6 Lake	Kingpimet 3902Y	10-18	112491	CI 15985:1
Blue 1 Lake	Kingpimet 5802BL	15-25	112492	CI 42090:2

Regulation

Item	INCI				Face				Lips				Eyes			
	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN	CN/EU	USA	JP	ASEAN
Red 30 Lake	CI 73360	Red 30 Lake	Aka 226	CI 73360	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Red 6	CI 15850	Red 6	Aka 201	CI 15850	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Red 40 Lake	CI 16035	Red 40 Lake	/	CI 16035	✓	✓	×	✓	✓	✓	×	✓	✓	✓	×	✓
Red 7	CI 15850	Red 7	Aka 202	CI 15850	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Red 27 Lake	CI 45410	Red 27 Lake	/	CI 45410	✓	✓	×	✓	✓	✓	×	✓	✓	×	×	✓
Red 28 Lake	CI 45410	Red 28 Lake	Aka 104-(1)	CI 45410	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Red 33 Lake	CI 17200	Red 33 Lake	Aka 227	CI 17200	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Carmine	CI 75470	Carmine	Carmine	CI 75470	✓	✓	Not regulated	✓	✓	✓	Not regulated	✓	✓	✓	Not regulated	✓
Yellow 5 Lake	CI 19140	Yellow 5 Lake	KI4	CI 19140	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Yellow 6 Lake	CI 15985	Yellow 6 Lake	KI5	CI 15985	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
Blue 1 Lake	CI 42090	Blue 1 Lake	Ao1	CI 42090	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Yellow 1	CI 11680	/	Yellow #401	CI 11680	✓	×	✓	✓	×	×	×	×	×	×	×	×
Red 5	CI 12490	/	/	CI 12490	✓	×	×	✓	✓	×	×	✓	✓	×	×	✓
Blue 15	CI 74160	/	Bleu #404	CI 74160	✓	×	✓	✓	✓	×	×	✓	✓	×	×	✓

✓ For dyeing eyelashes and eyebrows is not permitted.

CARBON BLACK



- ☆ 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.	Description
Carbon Black Kingpigment 980B 	112480		CI 77266	Comply with global regulations
Carbon Black Kingpigment 970B	112481		CI 77266	Comply with Safety and Technical Standards for Cosmetics (2015 edition).

Regulation

Country and Region	Name	Regulation
CN	CI 77266 (nano)	Safety and Technical Standards for Cosmetics, all cosmetics.
EU	CI 77266 (nano)	Commission Regulation (EU) 1223/2009, not to be used in applications that may lead to exposure of the end user's lungs by inhalation.
USA	D&C Black No. 2	FDA 21 CFR § 74.2052, carbon black with FDA certification can be used for coloring the following cosmetics: Eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, makeup and foundation, and nail enamel.
JP	Carbon Black	Not regulated.
ASEAN	CI 77266 (nano)	ASEAN Cosmetic Directive, not to be used in applications that may lead to exposure of the end-user's lungs by inhalation.



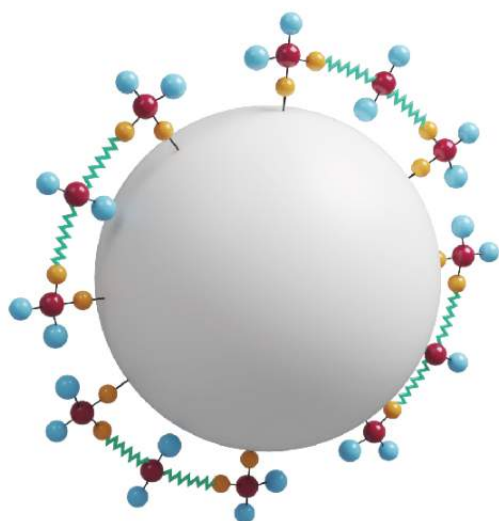
SURFACE TREATMENT

*Surface modification, accurately compatible with different systems.
Keep improving, upgraded processing effects.*

VARIOUS SURFACE TREATMENT TECHNOLOGIES

- ★ 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.

Dimethicone Surface Treatment



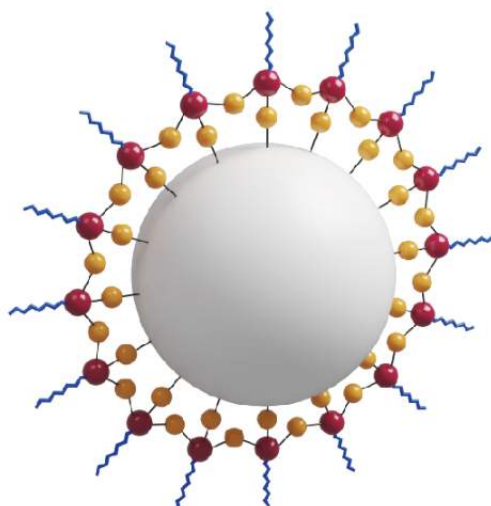
- ★ Chemical bonding, shear-resistant coating, wide application range of temperature.
- ★ Good waterproof effect, excellent dispersibility in silicone oil, suitable for W/Si system.
- ★ Slippery and soft feel, easy to compress.



Effect diagram of SI treatment

Type of Material	Boron Nitride	Silica	Titanium Dioxide	Talc	Mica
Hot Selling	Kingbornit 3002 SI Kingbornit 500 SI	Kingsica 3028 SI Kingsica 5028 SI	Kingruti 0205 SI Kingruti CR50 SI	Kingtalfer LS-800 SI Kingtalfer LS-1250 SI	Kingcovite 51 SI
Type of Material	Inorganic Pigment				
Hot Selling	Kingpigment 116R SI (Red Iron Oxide)	Kingpigment 340Y SI (Yellow Iron Oxide)	Kingpigment 920B SI (Black Iron Oxide)	Kingpigment 410G SI (Chromium Iron Green)	
	Kingpigment 510BL SI (Ultramarine Blue)	Kingpigment 710V SI (Ultramarine Violet)			
Description	SI surface treatment products are available for different series and different particle size materials.				

Triethoxycaprylylsilane Surface 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.

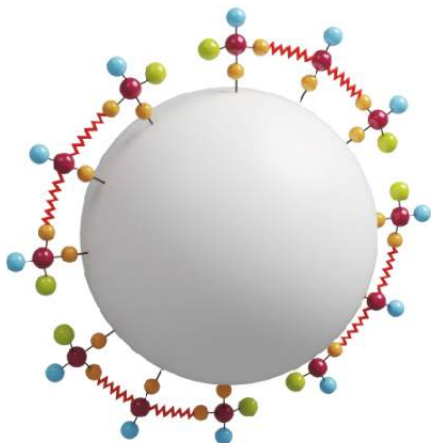


Effect diagram of AS treatment

Type of Material	Boron Nitride	Silica	Titanium Dioxide	Talc
Hot Selling	Kingbornit 3002 AS Kingbornit 500 AS	Kingsica 3028 AS Kingsica 5028 AS	Kingruti 0205 AS Kingruti CR50 AS	Kingtalter LS-800 AS Kingtalter LS-1250 AS
Type of Material	Sericite	Mica	Synthetic Fluorophlogopite	Kaolin
Hot Selling	Kingcovite 51 AS	Kingcovite 28 AS	Kingcovite 71 AS	Kingaolin 5000 AS
Type of Material	Inorganic Pigment			
Hot Selling	Kingpigment 116R AS (Red Iron Oxide)	Kingpigment 340Y AS (Yellow Iron Oxide)	Kingpigment 920B AS (Black Iron Oxide)	Kingpigment 410G AS (Chromium Oxide Green)
	Kingpigment 510BL AS (Ultramarine Blue)	Kingpigment 710V AS (Ultramarine Violet)	Kingbismo B012 AS (Bismuth Oxychloride)	
Type of Material	Organic Pigment			
Hot Selling	Kingpigment 150R AS (Red 30 Lake)	Kingpigment 160R AS (Red 6)	Kingpigment 180R AS (Red 40 Lake)	Kingpigment 190R AS (Red 7)
	Kingpigment 210R AS (Red 27 Lake)	Kingpigment 220R AS (Red 28 Lake)	Kingpigment 230R AS (Red 33 Lake)	Kingpigment 271R AS (Carmine)
	Kingpigment 380Y AS (Yellow 5 Lake)	Kingpigment 390Y AS (Yellow 6 Lake)	Kingpigment 580BL AS (Blue 1 Lake)	

KingPowder's full range of powder materials with AS surface treatment can be provided.

Methicone Surface Treatment



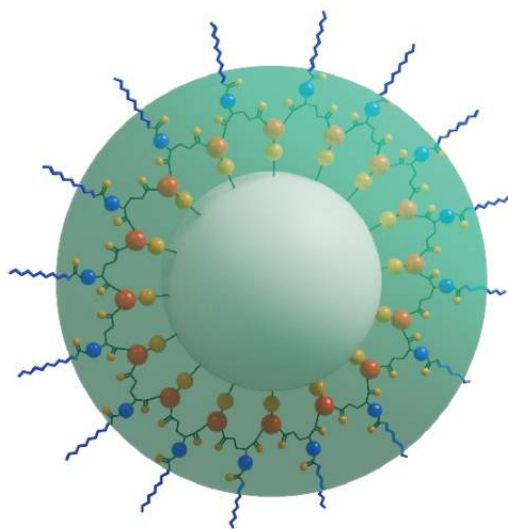
Effect diagram of MS treatment

- ★ 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.



Type of Material	Silica	Titanium Dioxide	Talc	Sericite
Hot Selling	Kingsica 5028 MS	Kingruti 90 MS	Kingtalfer LS-1250 MS	Kingcovite 51 MS
Type of Material	Inorganic Pigment			
Hot Selling	Kingpigment 116R MS (Red Iron Oxide) Kingpigment 340Y MS (Yellow Iron Oxide) Kingpigment 920B MS (Black Iron Oxide)			
Description	MS surface treatment products are available for different series and different particle size materials.			

Disodium Stearoyl Glutamate Surface Treatment



Effect diagram of DSG 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.

Type of Material	Titanium Dioxide	Talc	Sericite
Hot Selling	Kingruti 90 DSG Kingruti 0205 DSG Kingruti 0201 DSG	Kingtalfer LS-2500 DSG	Kingcovite 51 DSG
Type of Material	Inorganic Pigment		
Hot Selling	Kingpigment 116R DSG (Red Iron Oxide)	Kingpigment 340Y DSG (Yellow Iron Oxide)	Kingpigment 920B DSG (Black Iron Oxide)
Description	DSG surface treatment products are available for different series and different particle size materials.		

Lauroyl Lysine Surface Treatment



Effect diagram of LL treatment



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

Type of Material	Titanium Dioxide	Talc	Sericite
Hot Selling	Kingruti 90 LL	Kingtalfer 1250 LL Kingtalfer 2500 LL	Kingcovite 51 LL
Type of Material	Inorganic Pigment		
Hot Selling	Kingpigment 116R LL (Red Iron Oxide)	Kingpigment 340Y LL (Yellow Iron Oxide)	Kingpigment 920B LL (Black Iron Oxide)
Description	LL surface treatment products are available for different series and different particle size materials.		



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.

Type of Material	Titanium Dioxide	Inorganic Pigment		
Hot Selling	Kingruti 48 HL	Kingpigment 116R HL (Red Iron Oxide)	Kingpigment 340Y HL (Yellow Iron Oxide)	Kingpigment 920B HL (Black Iron Oxide)
Description	HL surface treatment products are available for different series and different particle size materials.			

Magnesium Myristate Surface Treatment

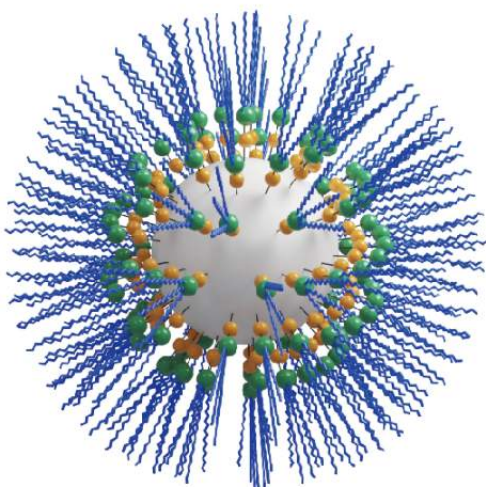


Effect diagram of MM treatment

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

Type of Material	Titanium Dioxide	Talc	Sericite
Hot Selling	Kingruti 90 MM	Kingtalfer LS-1250 MM	Kingcovite 51 MM
Type of Material	Inorganic Pigment		
Hot Selling	Kingpigment 116R MM (Red Iron Oxide)	Kingpigment 340Y MM (Yellow Iron Oxide)	Kingpigment 920B MM (Black Iron Oxide)
Description	MM surface treatment products are available for different series and different particle size materials.		

Isopropyl Titanium Triisostearate Surface Treatment



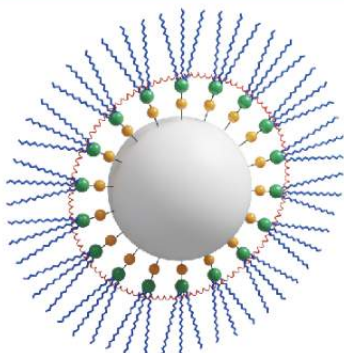
Effect diagram of TTS treatment

- ★ 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, good for to powder compaction.



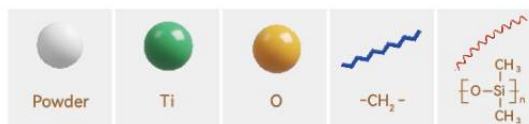
Type of Material	Titanium Dioxide	Talc	Sericite
Hot Selling	Kingruti 90 TTS	Kingtalfer LS-1250 TTS	Kingcovite 51 TTS
Type of Material	Inorganic Pigment		
Hot Selling	Kingpigment 116R TTS (Red Iron Oxide) Kingpigment 710V TTS (Ultramarine Violet)	Kingpigment 340Y TTS (Yellow Iron Oxide) Kingpigment 410G TTS (Chromium Oxide Green)	Kingpigment 920B TTS (Black Iron Oxide) Kingpigment 510BL TTS (Ultramarine Blue)
Type of Material	Organic Pigment		
Hot Selling	Kingpigment 150R TTS (Red 30 Lake) Kingpigment 210R TTS (Red 27 Lake) Kingpigment 380Y TTS (Yellow 5 Lake)	Kingpigment 160R TTS (Red 6) Kingpigment 220R TTS (Red 28 Lake) Kingpigment 390Y TTS (Yellow 6 Lake)	Kingpigment 180R TTS (Red 40 Lake) Kingpigment 230R TTS (Red 33 Lake) Kingpigment 580BL TTS (Blue 1 Lake)
Description	TTS surface treatment products are available for different series and different particle size materials.		

Isopropyl Titanium Triisostearate & Dimethicone Surface Treatments



Effect diagram of TTD treatment

- ★ Dual surface treatment simultaneously presents the advantages of silicone oil and titanate.
- ★ Superb dispersibility, suitable for a wide range of dispersion media, such as silicone oil, esters, and hydrocarbons.



Type of Material	Titanium Dioxide	Inorganic Pigment		
Hot Selling	Kingruti 90 TTD	Kingpigment 116R TTD (Red Iron Oxide)	Kingpigment 340Y TTD (Yellow Iron Oxide)	Kingpigment 920B TTD (Black Iron Oxide)
Description	TTD surface treatment products are available for different series and different particle size materials.			

Acrylates/octylacryamide Copolymer & Trimethylsiloxysilicate Surface Treatments

- ★ Dual film-forming agent treated pigment, forming makeup-controlling film for long-lasting effect.
- ★ Improve color fastness and migration resistance, long-lasting color without dullness.

Type of Material	Titanium Dioxide	Inorganic Pigment		
Hot Selling	Kingruti 48 AMQ	Kingpigment 116R AMQ (Red Iron Oxide)	Kingpigment 340Y AMQ (Yellow Iron Oxide)	Kingpigment 920B AMQ (Black Iron Oxide)
Description	AMQ surface treatment products are available for different series and different particle size materials.			

Note: AMQ treated pigment is easy to bond, and needs to be fully ground and dispersed when used.

Hydrophilic Modification

PEG-12 Dimethicone Surface Treatment

- ★ Excellent hydrophilicity, wide pH range, good compatibility.
- ★ Wet surface treatment, uniform coating, self-dispersion in water.

Type of Material	Boron Nitride		
Hot Selling	Kingbornit aq 3002C	Kingbornit aq 500	Kingbornit aq 7006
Description	PEG-12 dimethicone surface treatment products are available for different series and different particle size materials.		

Silica Surface Treatment

- ★ Wet surface treatment, uniform coating.
- ★ Extremely hydrophilic effect, self-dispersing in water.
- ★ Excellent suspension property, evenly dispersed particles.
- ★ Match various water-based systems, reducing dispersion difficulty.

Type of Material	Boron Nitride	Titanium Dioxide
Hot Selling	Kingbornit aq K3002 Kingbornit aq K500	Kingruti aq 90
Type of Material	Inorganic Pigment	
Hot Selling	Kingpigment aq 116R (Red Iron Oxide)	Kingpigment aq 340Y (Yellow Iron Oxide)
		Kingpigment aq 410G (Chromium Oxide Green)
Description	Silica surface treatment products are available for different series and different particle size materials.	



PRE-DISPERSED SLURRY

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

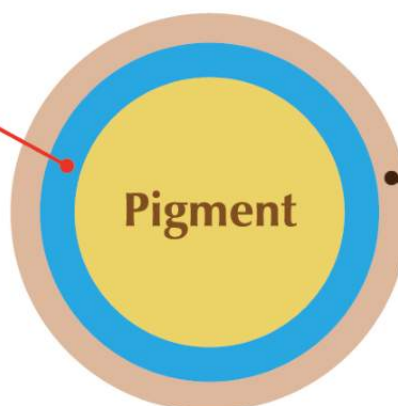
Different surface treatment powder and dispersion medium pigment dispersion can be customized.

Long-wearing Foundation Specialized Pigment Slurry

- ★ Dual film-forming agent treated pigment, forming makeup-controlling film for long-lasting effect.
- ★ Improved color fastness and migration resistance, long-lasting color without dullness.
- ★ Unique dispersion technology and equipment from KingPowder are used to solve the dispersion problem of pigment treated with high polymer film-former in the system, ensuring the fineness and stability of the final product.

Acrylates / octylacrylamide Copolymer

A hydrophobic, high molecular weight, and carboxylated acrylate copolymer, forms a stable chemical bond on the surface of pigment by carboxyl group, so that the pigment can be akeup-controlling film during application.



Trimethylsiloxysilicate

The commonly used MQ silicon resin in cosmetics, forms a three dimensional network of polysuric acid on the surface of pigment with a blocked trimethylsilane group, and a continuous and complete waterproof layer. At the same time, it improves the compatibility of coated pigments in various silicon oil.

Isononyl Isononanoate Dispersion Medium

Product Name	Product Code	Color	Pigment Content	CI No.
Titanium Dioxide Cosllary 869W AMQ	131041		60%	CI 77891
Red Iron Oxide Cosllary 116R AMQ	131039		55%	CI 77491
Yellow Iron Oxide Cosllary 340Y AMQ	131038		50%	CI 77492
Black Iron Oxide Cosllary 920B AMQ	131040		50%	CI 77499

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.

Inorganic Pigment Oil-based Slurry

Sort	Product Name	Product Code	Color	Pigment Content	CI No.
AS Treatment + Isononyl Isononanoate Dispersion Medium	Yellow Iron Oxide Cosllary 347Y	131046		60%	CI 77492
	Red Iron Oxide Cosllary 116R	131027		60%	CI 77491
	Black Iron Oxide Cosllary 926B	131067		70%	CI 77499
	Titanium Dioxide Cosllary 867W	131047		73%	CI 77891
DSG Treatment + Isononyl Isononanoate Dispersion Medium	Yellow Iron Oxide Cosllary 343Y DSG	131029		50%	CI 77492
	Red Iron Oxide Cosllary 117R DSG	131030		50%	CI 77491
	Black Iron Oxide Cosllary 923B DSG	131031		65%	CI 77499
	Titanium Dioxide Cosllary 865W DSG	131032		65%	CI 77891

Organic Lake Oil-based Slurry



- ★ With high-pressure and high-speed dispersion technology, the pigment is completely dispersed and evenly ground.
- ★ Improve color development of power, reduce consumption, better cost performance.
- ★ Easy to add, suitable for all types of cosmetics, such as lipstick, lip gloss, oil-based foundation.

Sort	Product Name	Product Code	Color	Pigment Content	CI No.
Isononyl Isononanoate Dispersion Medium	Red 40 Lake Cosllary 180R	131054		55%	CI 16035:1
	Yellow 5 Lake Cosllary 380Y	131055		55%	CI 19140:1
	Blue 1 Lake Cosllary 580BL	131057		65%	CI 42090:2
	Yellow 6 Lake Cosllary 390Y	131058		55%	CI 15985:1
	Red 30 Lake Cosllary 150R	131059		50%	CI 73360:1
	Red 6 Cosllary 160R	131060		50%	CI 15850
	Red 7 Cosllary 190R	131061		40%	CI 15850:1
	Red 27 Lake Cosllary 210R	131062		55%	CI 45410:2
	Red 28 Lake Cosllary 220R	131063		55%	CI 45410:2
	Red 33 Lake Cosllary 230R	131064		60%	CI 17200:1
	Carmin Cosllary 271R	131065		60%	CI 75470

Organic Pigment Water-based Slurry

- ★ 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 lotion, hair conditioner, nail polish, soap and other cosmetic products.

Product Name	Product Code	Color	Pigment Content	CI No.
Yellow 1 Cosllary aq 370Y	132105		25%	CI 11680
Red 5 Cosllary aq 170R	132106		30%	CI 12490
Blue 15 Cosllary aq 570BL	132107		30%	CI 74160

Inorganic Pigment Water-based Slurry

- ✧ 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.

Product Name	Product Code	Color	Pigment Content	CI No.
Titanium Dioxide Cosllary aq 848W	132112		60%	CI 77891
Transparent Red Iron Oxide Cosllary aq 6108R	132159		30%	CI 77491 (nano)
Transparent Yellow Iron Oxide Cosllary aq 6308Y	132163		30%	CI 77492 (nano)
Ferric Ammonium Ferrocyanide Cosllary aq 650BL	132118		25%	CI 77510
Brown Cosllary aq 6948BR 	132170		30%	CI 77491 (nano) CI 77492 (nano) CI 77266 (nano)
Ultramarine Blue Cosllary aq 502BL	132129		50%	CI 77007
Chromium Oxide Green Cosllary aq 401G	132130		60%	CI 77288
Ultramarine Violet Cosllary aq 701V	132131		50%	CI 77007

High Waterproof Eyeliner Specialized water-based Slurry

- ☆ 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.

Product Name	Product Code	Color	Pigment Content	CI No.
Carbon Black Carbon Black W-889	103041		35%	CI 77266 (nano)
Carbon Black Carbon Black W-884 FDA	103049		30%	CI 77266 (nano)
Brown Cosllary aq 6958BR FDA	132171		30%	CI 77491 (nano) CI 77492 (nano) CI 77266 (nano)
Red 5 Cosllary aq 171R	132114		20%	CI 12490
Blue 15 Cosllary aq 572BL	132119		30%	CI 74160
Carmine Cosllary aq 271R	132120		20%	CI 75470
Transparent Red Iron Oxide Cosllary aq 6118R	132160		30%	CI 77491 (nano)
Transparent Yellow Iron Oxide Cosllary aq 6318Y	132164		30%	CI 77492 (nano)
Titanium Dioxide Cosllary aq 851W	132132		65%	CI 77891
Red Iron Oxide Cosllary aq 101R New	132301		27%	CI 77491
Yellow Iron Oxide Cosllary aq 301Y New	132302		30%	CI 77492
Brown Cosllary aq 901BR New	132303		30%	CI 77491 CI 77492 CI 77266 (nano)
Yellow 5 Lake Cosllary aq 383Y FDA	132133		20%	CI 19140:1
Blue 1 Lake Cosllary aq 583BL FDA	132134		20%	CI 42090:2
Red 40 Lake Cosllary aq 183R FDA	132135		20%	CI 16035:1
Red 7 Cosllary aq 193R FDA	132137		15%	CI 15850:1

Water-based Nail Polish Specialized Pigment Slurry

- ✧ With high-pressure and high-speed dispersion technology, pigment is thoroughly dispersed into film-forming agent to form uniform pigment slurry.
- ✧ Prevent pigment from agglomerating and settling, greatly improving the stability of water-based nail polishes.
- ✧ The thoroughly dispersed pigment can fully develop its color, which can reduce the addition and is cost-effective.
- ✧ Easy to use, no dust pollution, simplified production process.

Product Name	Product Code	Color	Pigment Content	CI No.
Titanium Dioxide Cosllary PU 852W	132201		15%	CI 77891
Red Iron Oxide Cosllary PU 116R	132202		15%	CI 77491
Yellow Iron Oxide Cosllary PU 340Y	132203		15%	CI 77492
Chromium Oxide Green Cosllary PU 410G	132204		15%	CI 77288
Ultramarine Blue Cosllary PU 510BL	132205		15%	CI 77007
Ultramarine Violet Cosllary PU 710V	132206		15%	CI 77007
Carbon Black Cosllary PU 980B 	132207		10%	CI 77266
Red 5 Cosllary PU 170R	132208		10%	CI 12490
Yellow 1 Cosllary PU 370Y	132209		10%	CI 11680
Blue 15 Cosllary PU 570BL	132210		10%	CI 74160

Nano CARBON BLACK PRE-DISPERSION

The Patent No. of China: ZL 201510781187.8

- ☆ 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  Carbon Black W-336	103048	30%	20-30	PAHs≤500ppb Benzo[a]pyrene≤5ppb Dibenz[a,h]anthracene≤5ppb	Obtain FDA certification Comply with EU regulations	Easily apply to mascara, liquid eyeliner, etc.
Carbon Black 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 result:

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

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.



GRAPHENE WATER-BASED DISPERSION

Advanced technology creates the innovation of beauty makeup.

GRAPHENE WATER-BASED DISPERSION

- 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 Water-based Slurry Graphene S006	133004	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.



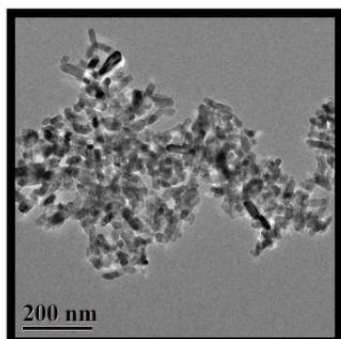
A smiling woman and a young girl are on a beach. The girl, wearing a pink hat and a colorful striped swimsuit, is applying white sunscreen to the woman's shoulder. The woman, wearing a blue swimsuit, is laughing and holding a white sunscreen bottle with a yellow cap. The background is a clear blue sky.

INORGANIC SUNSCREEN

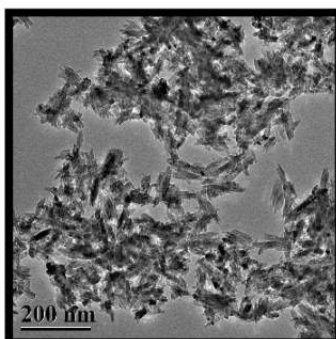
The secret of beauty comes from the nanotechnology.

NanoT Nano TiO₂ POWDER

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



TEM image of NanoT N30E



TEM image of NanoT N15E



Product Name	Product Code	Primary Particle Size	Surface Treating Agent	Surface Property
NanoT N15E	103023	15 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT 23M	103021	30 nm	Silica & Triethoxycaprylylsilane	Lipophilic
NanoT N30E	103017	30 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT N20E	103004	50 nm	Aluminium hydroxide & Stearic acid	Lipophilic
NanoT N80E AS	103098	80 nm	Aluminium hydroxide & Triethoxycaprylylsilane	Lipophilic
Kingruti 160 AS	106573	160 nm	Aluminium hydroxide & Triethoxycaprylylsilane	Lipophilic
Non-nano				
NanoT S30W	103028	30 nm	Silica & Aluminium hydroxide	Hydrophilic
NanoT S25W	103005	30 nm	Silica	Hydrophilic

NanoT Nano TiO₂ PRE-DISPERSION

Product Name	Product Code	Powder Content	Primary Particle Size	Dispersion Medium
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	103090	65%	30 nm	C12-15 Alkyl benzoate

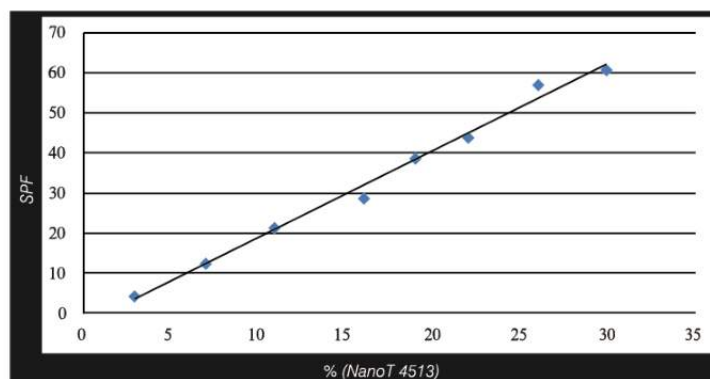
The advantage of NanoT Nano titanium dioxide dispersion:

- ✧ 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 Z Nano ZnO POWDER

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

Product Name	Product Code	Primary Particle Size	Surface Treating Agent
NanoT Z-45	103065	50 nm	----
NanoT Z-35	103010	40 nm	----
NanoT Z-45 AS	103063	50 nm	Triethoxycaprylylsilane
NanoT Z-45 DSG	103097	50 nm	Disodium Stearoyl Glutamate
NanoT Z-35 AS	103012	40 nm	Triethoxycaprylylsilane
NanoT Z-35 DSG	103104	40 nm	Disodium Stearoyl Glutamate
Zicode 305 New Non-nano	106804	300 nm	----

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
NanoT Z-6035 New	103115	60%	40 nm	C12-15 Alkyl benzoate

KINGMAGIC ALLOCHROIC PARTICLES

*Magic color enjoyment is infinite.
Gently rub it, fit the skin color perfectly.*

- ✧ Advanced pigment coated technologies, derived from inorganic pigments such as iron oxide.
- ✧ Application convenient, do not need to use special equipment.
- ✧ Magic effect, species diversity, which gives high cost-effective formula.

Application Description

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

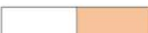
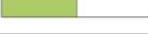
All filtration process of the finished product should finish before the inputting of magic allochronic particles.

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

Mechanism of color changing



Suitable for W/O emulsion.

Product Name	Product Code	Outer color Inner color
Kingmagic WY-160 White-to-yellow Particles	108513	
Kingmagic WR-160 White-to-red Particles	108514	
Kingmagic WG-160 White-to-green Particles	108516	
Kingmagic BS-160 White-to-skin tone Particles	108517	
Kingmagic YW-160 White-to-yellow Particles New	108544	
Kingmagic BrW-160 White-to-brown Particles New	108547	
Kingmagic GW-160 White-to-green Particles New	108548	
Kingmagic GB-160 Black-to-green Particles New	108549	

Suitable for water system, such as water gel, O/W emulsion.

Product Name	Product Code	Outer color Inner color
Kingmagic WY-460 White-to-yellow Particles	108523	
Kingmagic WR-460 White-to-red Particles	108524	
Kingmagic WB-460 White-to-black Particles	108522	
Kingmagic BS-460 White-to-skin tone Particles	108527	
Kingmagic WG-460 White-to-green Particles	108526	
Kingmagic WV-460 White-to-violet Particles	108528	

Suitable for ointment, such as foundation stick, concealer.

Product Name	Product Code	Outer color Inner color
Kingmagic BS-360 White-to-skin tone Particles New	108560	
Kingmagic WY-360 White-to-yellow Particles New	108561	
Kingmagic WR-360 White-to-red Particles New	108562	
Kingmagic WB-360 White-to-black Particles New	108563	

Kingpimet WATER SOLUBLE DYES



- ☆ With hydrophilic groups, highly soluble in water-based solvent to form a homogeneous solution, easy to use.
- ☆ Can be used to adjust the color appearance of water-based products.
- ☆ High safety, FDA approved.

Product Name	Product Code	Color	CI.No	Regulation				
				CN	JP	USA	EU/ASEAN	KR
Kingpimet R40W	119101	Red 40	CI 16035	1	---	EA	1	i
Kingpimet R28W	119102	Red 28	CI 45410	1	I	M	1	ii
Kingpimet R33W	119103	Red 33	CI 17200	1	I	M Lips≤3%	1	i Lips≤3%
Kingpimet Y5W	119104	Yellow 5	CI 19140	1	I	EA	1	i
Kingpimet Y6W	119105	Yellow 6	CI 15985	1	I	M	1	i
Kingpimet B1W	119106	Blue 1	CI 42090	1	I	EA	1	i

Color-change Dye

Product Name	Product Code	Color	CI.No	Regulation				
				CN	JP	USA	EU/ASEAN	KR
Kingpimet R27	119107	Red 27	CI 45410	1	I	M	1	ii

LIGHT RESISTANT WATER SOLUBLE DYES

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	Regulation			
						USA	CN EU / ASEAN	JP	KR
	Kingcolor R40 (Red 40)	119015	16035	3-11	★★★★★	EA	1	---	i
	Kingcolor R33 (Red 33)	119016	17200	3-11	★★★★★	M Lips < 3%	1	I	i Lips < 3%
	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	CN / EU / ASEAN	JP	KR
M: It can be used in all cosmetics except eyes products.	1: Color additives, can be used in all cosmetics.	I: Synthetic dyes, can be used in all medicines, generics and cosmetics.	I: Permitted in all cosmetics.
EA: It can be used in all cosmetics include eyes products.	2: Color additives, can be used in all cosmetics except eyes products.	II: Synthetic dyes, can be used in medicines, generics and cosmetics for external use.	I: Can not be applied to eye area and lips.
EXT: External use.	3: Color additive, can be used in cosmetics that do not touch the mucous membrane.	IIa: Except the eyes.	
		IIb: Except the mucous membrane.	
		IIc: Except the eyes and the mucous membrane.	

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