



WELCOME TO
KUNCAI

AGENDA

- **Company Profile**
- **R&D, Production, QA Center Overview**
- **Product Portfolio**
- **Global Service**
- **Corporate Social Responsibility**
- **Strategy & Vision**

COMPANY PROFILE

01 COMPANY PROFILE



Facts & Figures

EMPLOYEES

435

subsidiaries: 218

653 Employees

REVENUE

USD 108,67 Mio in 2020

FOUNDED

In 1999

BUSINESSES

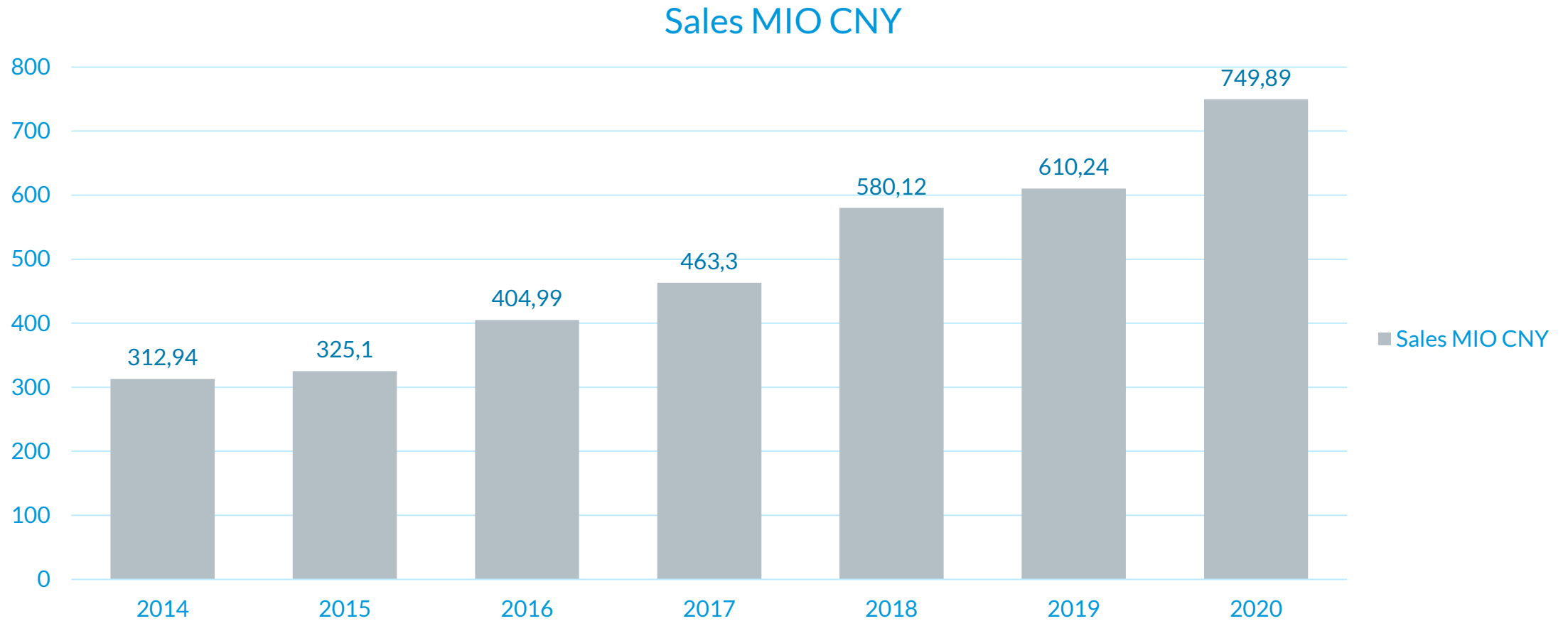
Pearlescent, Special Effect,
Ti-dioxide and Fe-oxide
pigments

HEADQUARTERS

Fuqing, China

COMPANY PROFILE

Sales Development 2014 - 2020



01 COMPANY PROFILE



- We are a global company that has been focusing on R&D, production and sales of pearlescent pigment for more than 20 years
- We have the largest production and sales volume in the world for pearlescent pigments and synthetic mica
- Kuncai is focusing on new product areas - titanium dioxide and iron oxide
- The total Kuncai site area covers 1.334M sqm and has seen a total investment of USD 1.2 billion
- For many years, we serve a variety of industries globally as one of the most reliable suppliers in the world

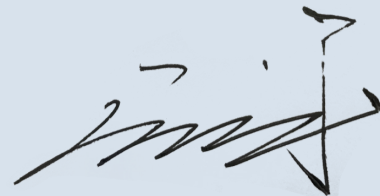
01 COMPANY PROFILE

Founder Welcome Words

Visit Kuncai

On behalf of all of us at Kuncai, we sincerely thank you for your support. Our aim is to provide you with a continuously outstanding service and build up a solid business relationship. By sharing resources, communicating, enhancing trust, promoting interconnection and working together, we believe that we can deliver mutual benefit and achieve a win-win business goal. Meanwhile, you are always welcome to visit Kuncai.

Thank you.



Mr. Bingkun Xie
President & General Manager of Kuncai Technology

01 COMPANY PROFILE



Development Milestones



01 COMPANY PROFILE - CORPORATE CULTURE



Core Culture	Kunca Corporate Culture
Mission	Dedicated to the perfect combination of technology and nature through the construction of an environmentally friendly organization
Core Value	Success with humility. Effective and practical accountability. Insightful and excellence
Vision	To be the most sustainable and respectful paradigm in the world
Strategic Objectives	Transform Kuncai into a global company
Strategic Core	A milestone of ten billion USD in revenue. A journey of hundred billion in market value
KVP	Bring color to the world
Core Competence	Constant innovation through integrative value chains

01 COMPANY PROFILE

Core Competencies

1. One of the top three companies in the world for pearlescent material
2. The only company in the world that independently produces specialty synthetic mica for pearlescent pigments
3. The world's only company that uses carbonate as a neutralizing liquid to produce nanoparticle free pearlescent materials.
4. The only pearlescent material company in the world that integrates the production of titanium oxychloride and ferric chloride
5. World's largest fully automated standardized production enterprise
6. The only enterprise in the world using an extraction method to produce new titanium oxychloride



01 COMPANY PROFILE

Headquarters



01 COMPANY PROFILE

Plant 1

- Total area: 120,000 sqm
- Construction area: 100,000 sqm
- Annual production of 20,000 tons of synthetic mica substrate
- Ziniu Plastics Corporation
 - 10,000 tons of Mono-Masterbatch (SPC)



01 COMPANY PROFILE

Plant 2

- Total area: 300,000 sqm
- Construction area: 200,000 sqm
- Fully automated state-of-the-art production lines
- Annual production of 30,000 tons of finished pearlescent pigments



01 COMPANY PROFILE

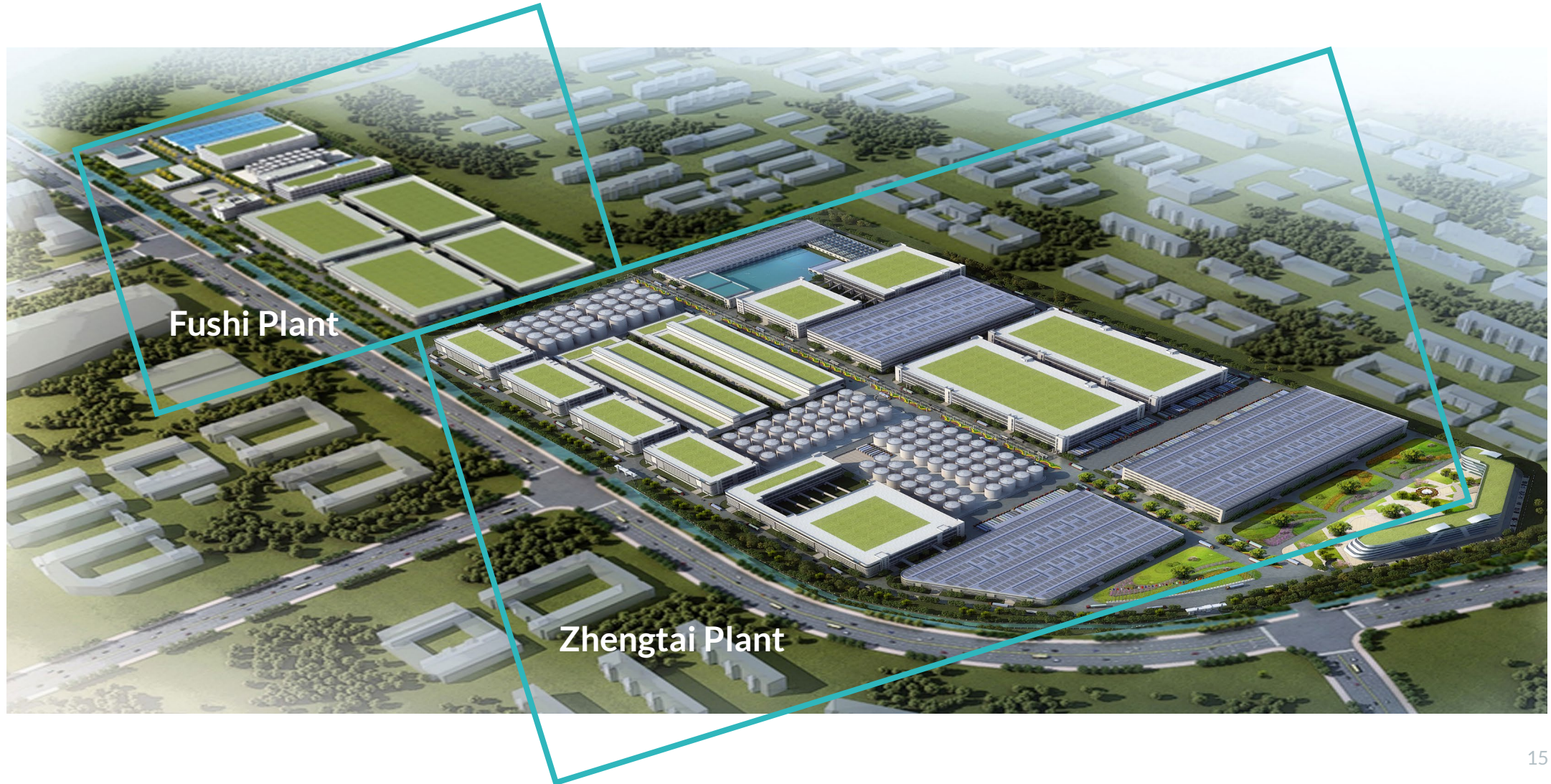


Plant 2



01 COMPANY PROFILE

Jiangying Industrial Park (Fushi & Zhengtai Plant)



01 COMPANY PROFILE

Fushi New Material Plant

- Total area of 200,000 sqm
- Production of 200,000 tons of titanium oxychloride & 200,000 tons of iron chloride
- Fulfill the demand of Plant II for iron chloride and titanium oxychloride



01 COMPANY PROFILE



Fushi New Material Plant



01 COMPANY PROFILE

Zhengtai Plant

- Planned production quantities:
 - 500,000 tons of TiO_2 and
 - 500,000 tons Fe_2O_3 pigments
- 100,000 tons will enter into production in 2nd half of 2021
- Sales will start for local asian markets



01 COMPANY PROFILE



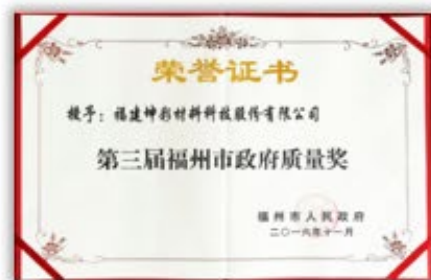
Zhengtai Plant



01 COMPANY PROFILE



Awards & Certificates



R&D OVERVIEW

02 R&D CENTER OVERVIEW

Laboratories



Since its founding, Kuncai has invested 5% of the company's sales revenue into research and development projects every year to maintain its industry leading position.

02 R&D CENTER OVERVIEW

Laboratories

New fully equipped Research and Development Center at Plant II



02 R&D CENTER OVERVIEW

R&D Center



Pearlescent Pigment R&D Lab



Synthetic Mica Lab

02 R&D CENTER OVERVIEW

Equipment



Chemical Vapor Deposition



Physical Vapor Deposition



Vacuum Coating Machine

02 R&D CENTER OVERVIEW



Part of R&D Lab



R&D Pilot Plant



Staff Rest Area



R&D Pilot Plant

02 R&D CENTER OVERVIEW

The Pilot Plant TiOCl_2



Acidification Equipment



Extraction Equipment



Extraction Centrifuge
Pilot line

02 R&D CENTER OVERVIEW

Equipment



X-Ray Fluorescence Spectrometer



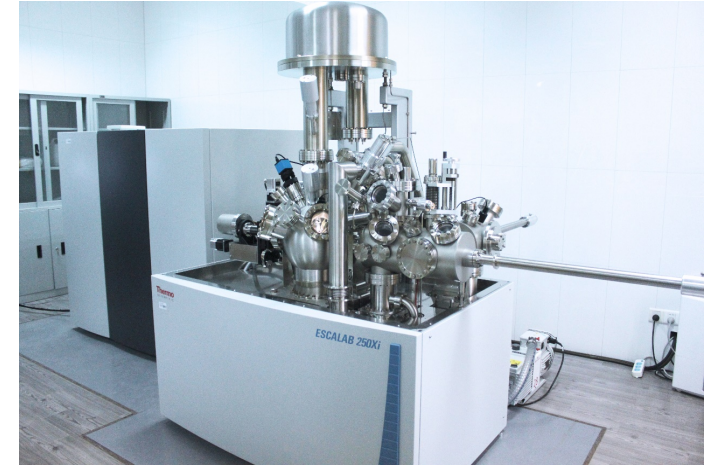
Scanning Electron Microscope

02 R&D CENTER OVERVIEW

Equipment



Metallographic Microscope



X-Ray Photoelectron Spectrometer



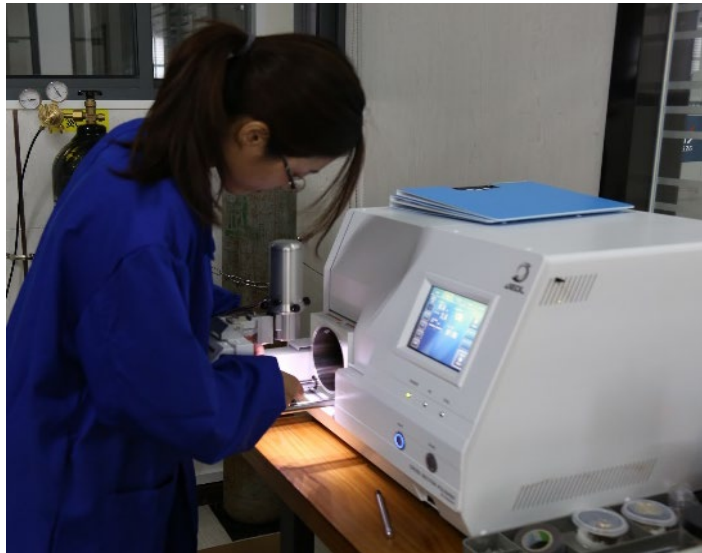
Malvern PSD Analyzer 3000



EDS SEM (1,000,000 times)

04 R&D CENTER OVERVIEW

Equipment



Cross Section Polisher



EDS SEM (1,000,000 x)

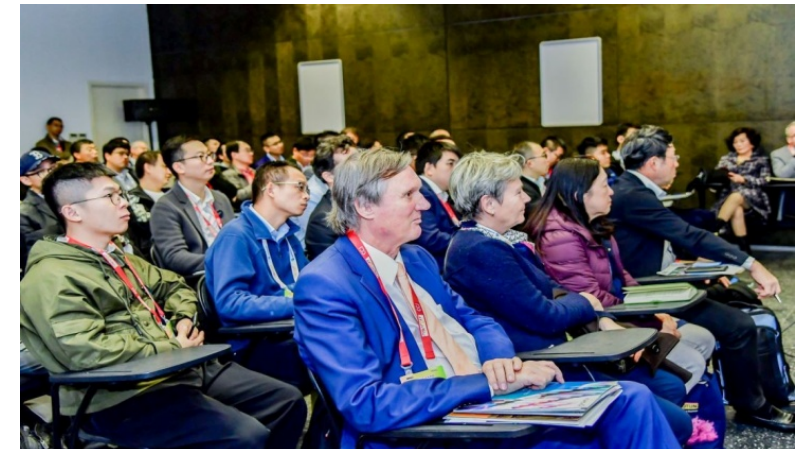


X-Ray Diffraction Analyzer

02 R&D CENTER OVERVIEW

Activities

Technical Seminar



02 R&D CENTER OVERVIEW



Company Patents

Process for pearlescent pigment with high luster and weather resistance based on glass materials

Development of process for shape-controllable bismuth oxychloride crystal

Classification method for synthetic mica

Development of process for metallic silver coated pearlescent pigment based on glass materials

Development of process for Prussian blue coated pearlescent pigment

Development of large particle size synthetic mica based pearlescent pigment



02 R&D CENTER OVERVIEW



Technology Patents

Development of process for rutile synthetic mica based pearlescent pigment

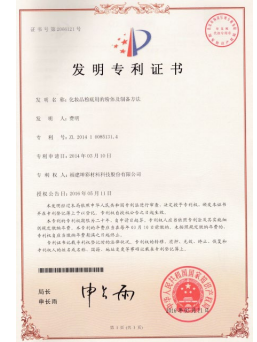
Development of process for magnetic Prussian blue coated pearlescent pigment

Process for raw material for pearlescent pigment coating through hydrochloric acid leaching of ilmenite

Process for pearlescent pigment production using titanium precursor through extraction of hydrochloric acid-ilmenite lye

Direct-titanium dioxide pigment production through titanium loaded organic phase in extraction process of hydrochloric acid-ilmenite lye

Development of process for large particle size synthetic mica based pearlescent pigment



02 REGISTERED BRANDS



Plovence



Syakarp



XillaMaya

PRODUCTION OVERVIEW

03 PRODUCTION PROCESS

Synthetic Mica



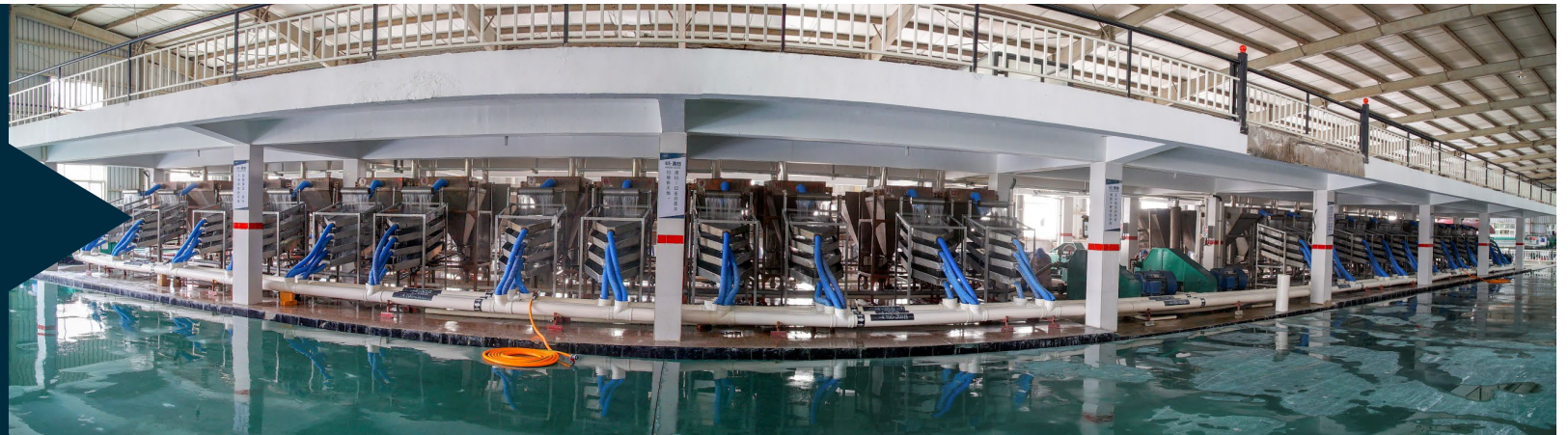
STEP 1
—
Crystallization



STEP 2
—
Grinding



STEP 3
—
Mica Delamination





STEP 4
—
Coarse Classification



STEP 5
—
Fine Classification

STEP 6
—
Storage Pool



STEP 7
—
Hydrolysis



03 PRODUCTION PROCESS



STEP 8
—
Washing



STEP 9
—
Drying



STEP 10
—
Calcination



STEP 11
—
Screening



03 PRODUCTION PROCESS



STEP 12
—
Blending



STEP 13
—
Automated Filling



STEP 14
—
Automated Labelling



03 PRODUCTION PROCESS



STEP 15
—
Automated Stacking



STEP 16
—
Automated Wrapping



STEP 17
—
Warehouse



03 PRODUCTION PROCESS

Impressions – Synthetic Mica Production



03 PRODUCTION PROCESS

Impressions – Synthetic Mica Flake Delamination



03 PRODUCTION PROCESS

Impressions – Synthetic Mica Grinding



03 PRODUCTION PROCESS



Impressions -Hydrolization



二期 -13

03 PRODUCTION PROCESS

Impressions – Mica Drying



03 PRODUCTION PROCESS

Impressions – Mica Belt Calcination



03 PRODUCTION PROCESS

Impressions – Vibrosieving and Rotary Calcination



03 PRODUCTION PROCESS

Impressions – Blending



03 PRODUCTION PROCESS

Impressions - Filling



03 PRODUCTION PROCESS

Impressions – Automated Packing



03 PRODUCTION PROCESS

Impressions – Warehouse



Q&A CENTER OVERVIEW

04 Q&A CENTER OVERVIEW

Introduction

- Based on QMS of ISO 9001
- More than 30 employees
- 16 labs and area of 2000 sqm of testing, application and analysis
- 28 production procedures & 21 QC procedures



04 Q&A CENTER OVERVIEW

Pilot Plants & Application equipment



Plastic Injection & Molding
Pilot Plant



Plastic Injection & Molding
Application Lab



Paint Mixing Lab

04 Q&A CENTER OVERVIEW

Automatic Spray Coating Equipment



Automatic Spray Machine
(Spray Mation)



Static Powder Spray Machine



Five Angle Spray Robot

04 Q&A CENTER OVERVIEW

Application labs (partly external)



Cosmetic Application Lab



Cosmetic Application Lab



Automotive OEM Coating Lab



Printing Ink Application Lab

04 Q&A CENTER OVERVIEW

Weather Resistance Test Equipment



ATLAS Ci5000 Xenon
Accelerated
Weathering Tester



Q-SUN Xenon
Accelerated
Weathering Tester



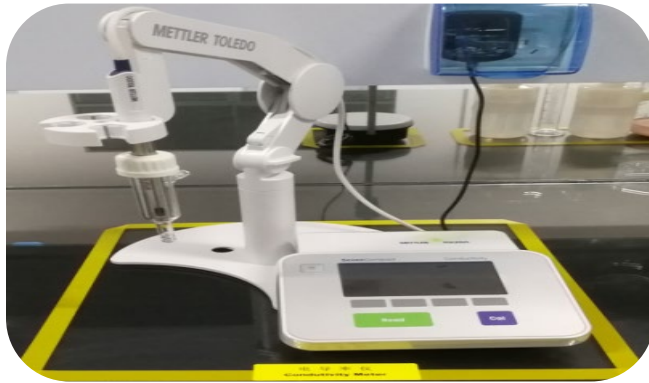
Atlas UV
Accelerated Weathering
Tester



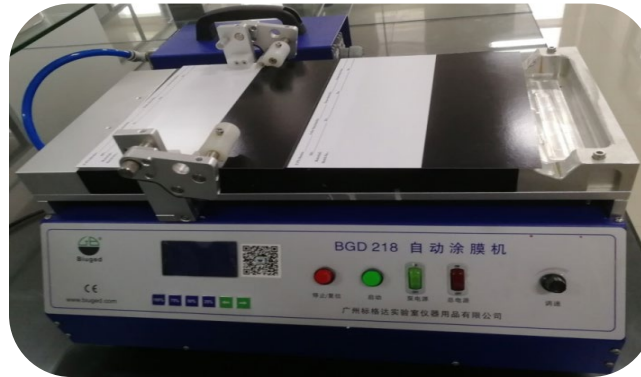
QLAB QUV
Accelerated
Weathering Tester

04 Q&A CENTER OVERVIEW

Testing Instruments



Conductivity Meter



Draw-down Machine



pH Meter



Moisture Meter



Ultra Purified DI Water Machine



Bulk Densitometer

04 Q&A CENTER OVERVIEW



Management System Certificates

ISO 9001 Quality

ISO 14001 Environment

OHSAS 18001 OH&S

SA 8000 CSR

Tfs/EcoVadis



04 Q&A CENTER OVERVIEW



Regulatory Conformities

SGS

测试报告 No: GZCPCH180501675C-4 报告日期: 2018-05-24

客户名称: 福建坤彩材料科技股份有限公司
客户地址: 福建省福州市城头元洪投资区

样品名称: 珠光颜料云母铁系列
批号/生产日期: Standard Lot
生产商: 福建坤彩

以上样品及信息由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和完整性责任。

SGS 工作号: GZCPCH180501675-4
SGS 参考号: CANCPCH1809105801
样品接收日期: 2018-05-14
样品测试时间: 2018-05-14-2018-05-24

测试要求:
根据客户要求:
测试方法:
测试结果:
请见下页

以英文制作的测试报告可以翻译其它语言, 如有异议, 以英文版为准。

除非另有说明, 本检验结果仅对测试样品负责, 未经检验机构同意, 委托人不得擅自使用检验结果进行不当宣传。

SGS 授权签字人:

Denny Li 李德超

通标标准技术服务有限公司广州分公司
第 1 页 共 3 页

RAND: 7334910

Member of the SGS Group (SAS)

Heavy Metal

SGS

Test Report No: GZCPCH180501675E-7 Date: 2018-05-30

B:
RoHS Directive (EU 2015/863) amending Annex II to Directive 2011/65/EU

Test item(s)	Unit	Test method(s) (Reference to)	Limit(s) ¹	Test result(s)	MDL
Cadmium (Cd)	mg/kg		100	ND	2
Lead (Pb)	mg/kg		1000	ND	2
Mercury (Hg)	mg/kg		1000	ND	2
Sum of PbSb	mg/kg		1000	ND	-
Hexavalent Chromium (Cr(VI))	mg/kg		/	ND	5
Monobromobiphenyl	mg/kg		/	ND	5
Dibromobiphenyl	mg/kg		/	ND	5
Tribromobiphenyl	mg/kg		/	ND	5
Tetrabromobiphenyl	mg/kg		/	ND	5
Pentabromobiphenyl	mg/kg		/	ND	5
Hexabromobiphenyl	mg/kg		/	ND	5
Heptabromobiphenyl	mg/kg		/	ND	5
Octabromobiphenyl	mg/kg		/	ND	5
Nonabromobiphenyl	mg/kg		/	ND	5
Decabromobiphenyl	mg/kg		/	ND	5
Sum of PBDEs	mg/kg		1000	ND	-
Monobromodiphenyl ether	mg/kg	IEC 62321-4:2013-A1 2017, IEC 62321-6:2013, IEC 62321-7:2017, IEC 62321-8:2017, analyzed by ICP-OES, LM-Vis and GC-MS	/	ND	5
Dibromodiphenyl ether	mg/kg		/	ND	5
Tribromodiphenyl ether	mg/kg		/	ND	5
Tetrabromodiphenyl ether	mg/kg		/	ND	5
Pentabromodiphenyl ether	mg/kg		/	ND	5
Hexabromodiphenyl ether	mg/kg		/	ND	5
Octabromodiphenyl ether	mg/kg		/	ND	5
Nonabromodiphenyl ether	mg/kg		/	ND	5
Decabromodiphenyl ether	mg/kg		/	ND	5
Dibutyl Phthalate (DBP)	mg/kg		1000	ND	50
Benzylbutyl Phthalate (BBP)	mg/kg		1000	ND	50
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg		1000	ND	50
Diisobutyl Phthalates (DIBP)	mg/kg		1000	ND	50

Remarks:
(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) * - The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863, IEC 62321 series is equivalent to EN 62321 series
http://www.conselor.eu/rohs/170-104-30-174223287/05611011-FSP_ORG_ID.FSP_IANG_ID-125837-25

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
Page 2 of 12

RAND: 27462616

Member of the SGS Group (SAS)

ROHS

SGS

Test Report No: GZCPCH180501675E-7 Date: 2018-05-30

C:
(One hundred and eighty-one (181) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 15, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH
III Additional two (2) Substances of Very High Concern (SVHC) identified in (EU) 2018/848 and (EU) 2018/838 published by European Chemicals Agency (ECHA).

Test item(s)	Test method(s) (Reference to)	Test result(s)/%	RL(%)
All tested SVHC in candidate list (see Appendix1) Additional SVHC (see Appendix2)	SGS In-House method, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.	ND	-
		ND	-

Remark:
(1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table>
These lists are under evaluation by ECHA and may subject to change in the future.
(2) Concerning article(s):
In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (W/W).
Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (W/W) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.
SGS adopts the interpretation of ECHA for SVHC in article unless indicated otherwise. Detail explanation is available at the following link:
http://weblabstage.conselor.com/rohs/170-104-30-174223287/05611011-FSP_ORG_ID.FSP_IANG_ID-125837-25
(3) Concerning material(s):
Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogeneous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.
If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

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RAND: 27462616

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REACH - SVHC

REACH Registration



Chromium Oxide



Silane Bonding Agent



Silica Dioxide



Synthetic Mica



Tin Oxide

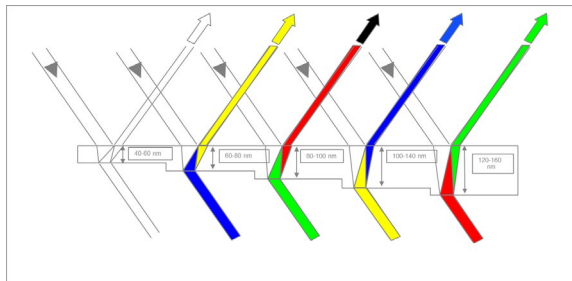
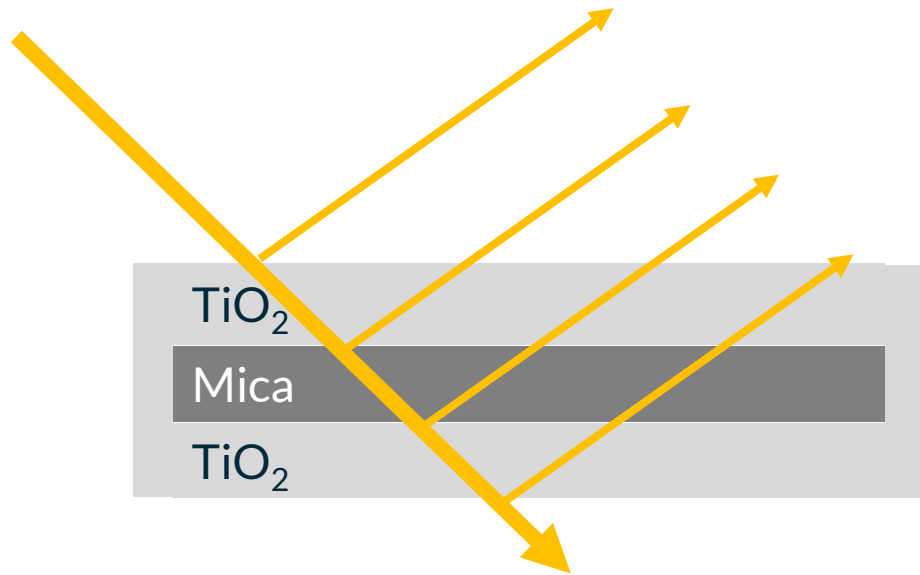
All materials are REACH registered

PRODUCT PORTFOLIO

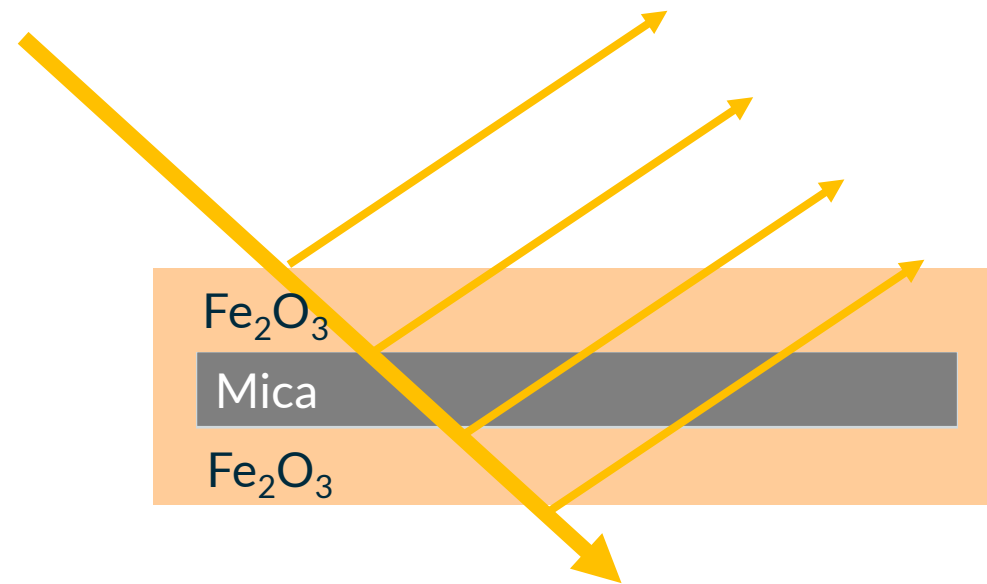
02 EFFECT COLORS

Oxide Coating

Silver white or Interference Color



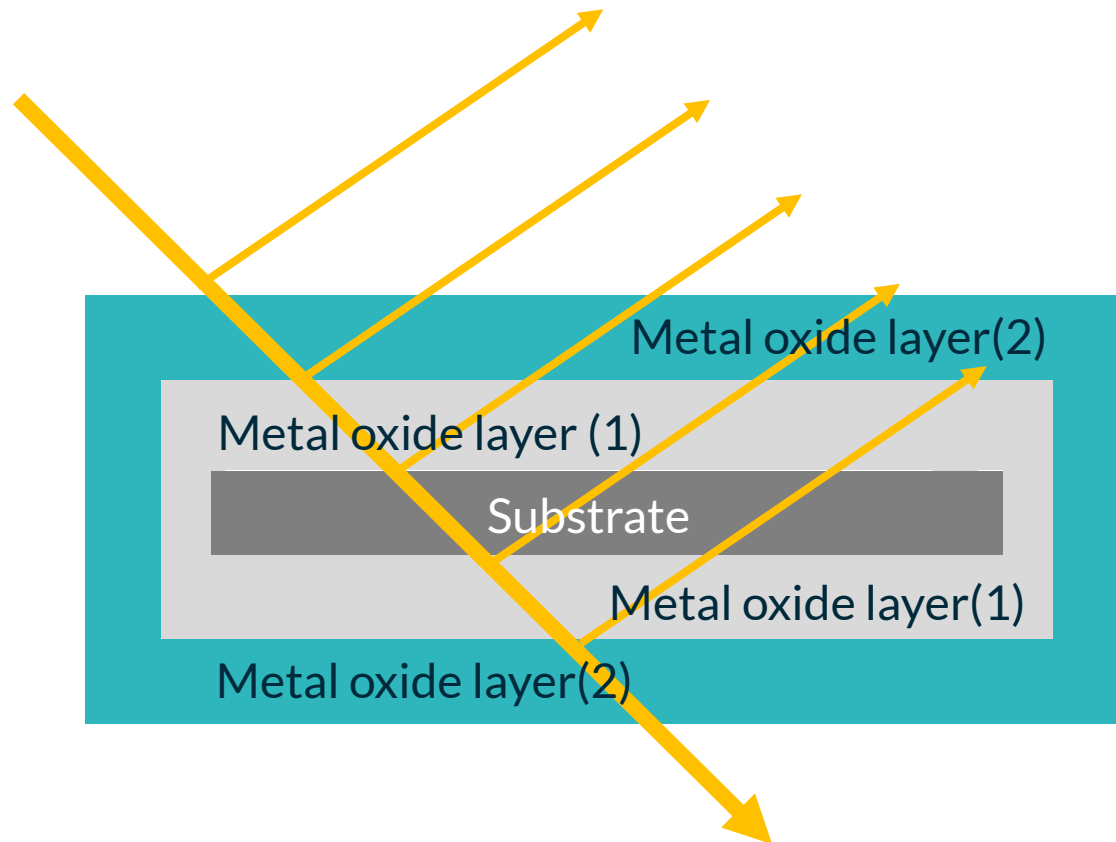
Metallic Color



Combination of TiO_2 and Fe_2O_3 layers produce gold tones like KC 300

02 MULTILAYER COATINGS

Multilayer Effect Pigment – Principle of 2 or more Metal Oxide Layers



High End Product Lines

- Kyntaline (Synthetic Mica)
- Plovence (Synthetic Mica)
- Setallic (Synthetic Mica)
- XillaMaya (Synthetic Mica)
- SyaKarp (Natural Mica)

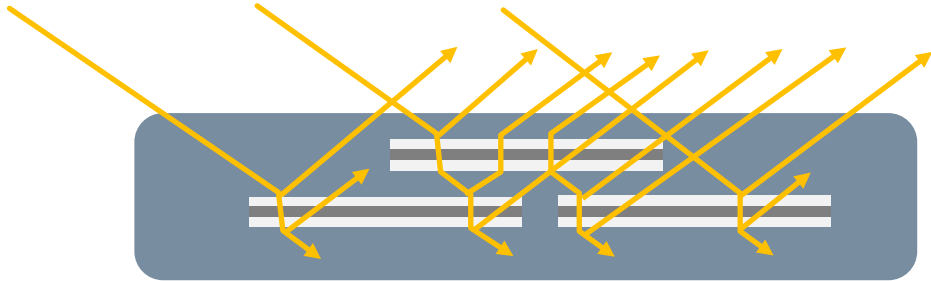
⇒ Stronger Reflection

⇒ Higher Chroma

⇒ Greater Color Intensity

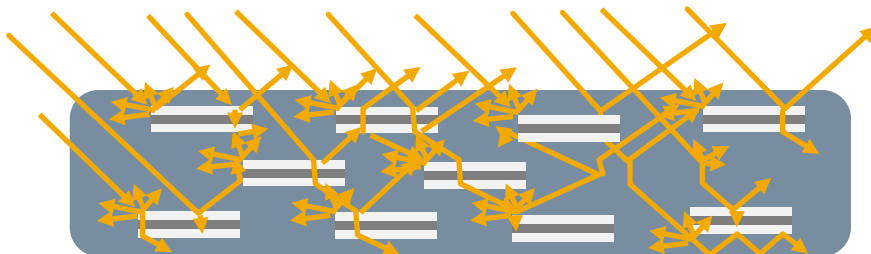
02 HIDING POWER AND PARTICLE SIZE

Impact on Hiding Power



Large Particle Size Distribution

- Strong reflection of incoming light
- Higher transparency
- Low influence on background color
- Stronger sparkle



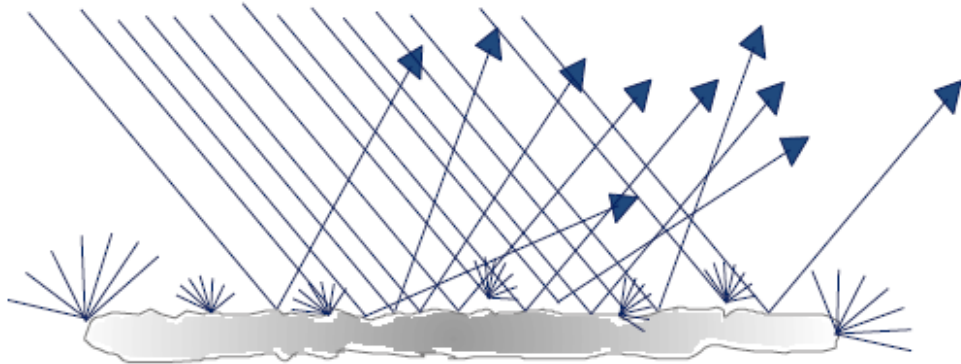
Small Particle Size Distribution

- Higher light scattering
- Increased hiding power
- High influence on background color
- Silky effect

01 SURFACE STRUCTURE AND REFLECTION

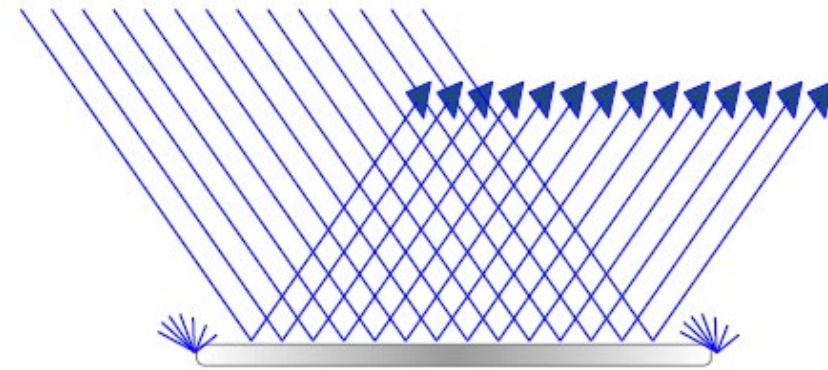
Impact of Substrate on Effect

Rough Surface



- Scattered reflection
- Lower flop
- Lower brightness
- Better hiding

Smooth Surface



- Uniform reflection
- Greater flop
- Higher brightness
- Greater transparency

02 KEY PARAMETERS

The Influence of Substrate and Processing on Color and Effect

The characteristics of a pigment are essentially influenced by:

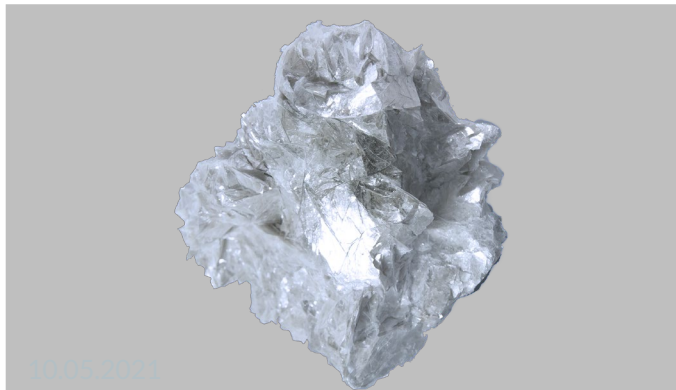
- Substrate
- Coatings technology
- Particle size distribution

The effects vary from:

- Silky shining luster to
- Brilliant depth to
- Glittering sparkle

Major color areas:

- Silver white
- Interference
- Gold
- Metallic / Earth tones
- Multicolor



02 USP OF SYNTHETIC MICA

Synthetic Mica By Kuncai



KC 289

Crystal KC 8525

Kyntaline KC 850-R3

Cleaner highly chromatic colors
Strong and saturated color tones

Comparison Natural Mica vs. Synthetic Mica

- Less light scattering and greater reflectivity
- Smoother surface
- Nearly transparent body color
- No impurities
- Low heavy metals
- Batch to batch consistency
- No ties to mica mines

02 PERFORMANCE

Natural Mica vs. Synthetic Mica vs. Synthetic Mica (Multilayer)

Product Feature	KC Industrial	Neomica	Syakarp	Synthetic Mica	Synthetic Mica Multilayer
Substrate	<ul style="list-style-type: none"> Natural Mica 	<ul style="list-style-type: none"> Natural Mica + special production treatment 	<ul style="list-style-type: none"> Natural Mica + multilayer coating 	<ul style="list-style-type: none"> Synthetic Mica 	<ul style="list-style-type: none"> Synthetic Mica + multilayer coating
Effects	<ul style="list-style-type: none"> Serves as a reference 	<ul style="list-style-type: none"> Better hiding Less yellowish on light background colors 	<ul style="list-style-type: none"> Enhanced interference colors 	<ul style="list-style-type: none"> Finer particle size ratio Purer color tones 	<ul style="list-style-type: none"> Strong reflection Very good chroma Highest brilliance Good sparkle Good coverage
Colors	<ul style="list-style-type: none"> Silver white Interference Gold Metallics 	<ul style="list-style-type: none"> Silver white 	<ul style="list-style-type: none"> Interference 	<ul style="list-style-type: none"> Silver white Interference Gold Metallics 	<ul style="list-style-type: none"> Silver white Interference Gold Metallics Optically variable
Product Series	<ul style="list-style-type: none"> KC Pearls 	<ul style="list-style-type: none"> Neomica Silver whites 	<ul style="list-style-type: none"> SyaKarp 	<ul style="list-style-type: none"> Crystal 	<ul style="list-style-type: none"> Chameleon Kyntaline Plovence Setallic XillaMaya

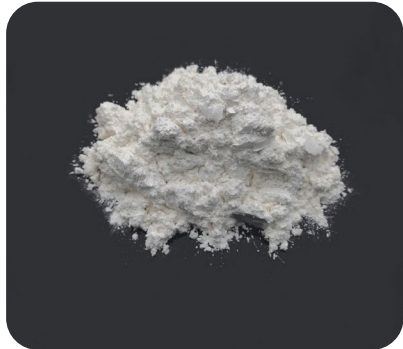


Performance increase through improved product properties

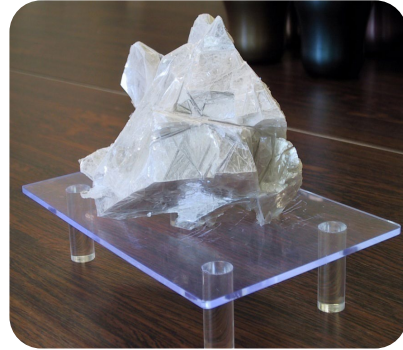
05 PRODUCT PORTFOLIO

Substrates

NATURAL MICA



SYNTHETIC MICA



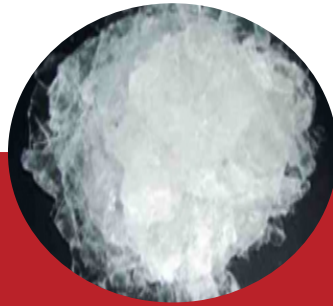
GLASS FLAKE





Natural Mica

- Iron content >2%
- Relatively yellowish and greyish reflection
- Natural material variations
- Moderate luster
- Naturally occurring substrate



Synthetic Mica (Fluorophlogopite)

- Iron content < 0,1%
- Very white and clean reflection
- Almost no batch-to-batch variation
- High luster and high chroma
- Synthetically produced substrate



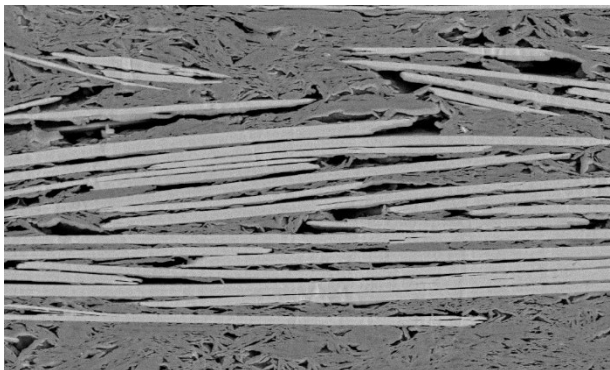
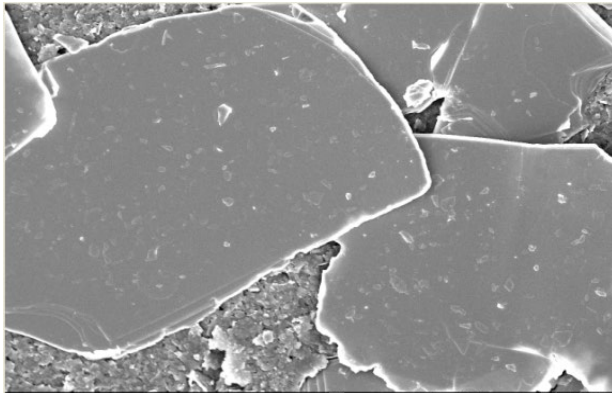
Glass Flake (Calcium Sodium Borosilicate)

- Extreme transparency
- Extraordinary sparkle
- Multicolor reflection
- Synthetically produced substrate

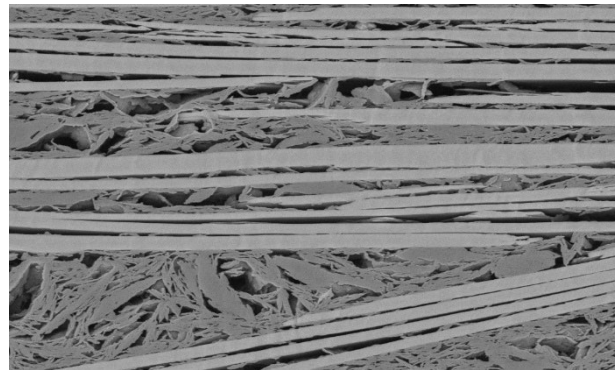
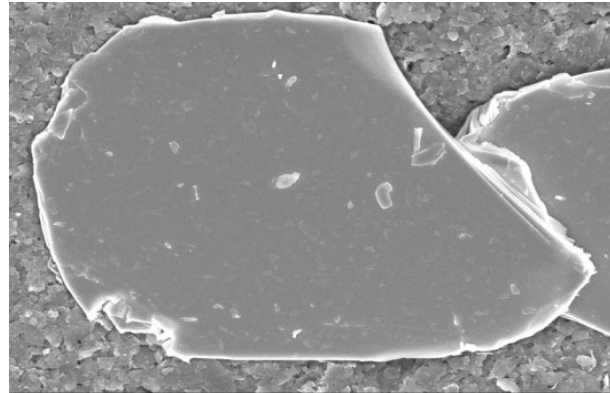
05 PRODUCT PORTFOLIO

SEM of Substrates

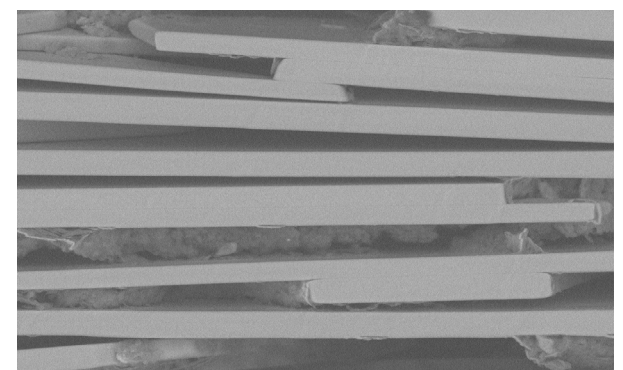
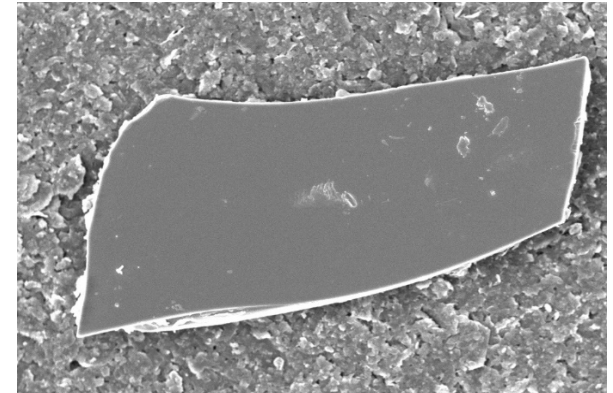
SEM of Natural Mica



SEM of Synthetic Mica



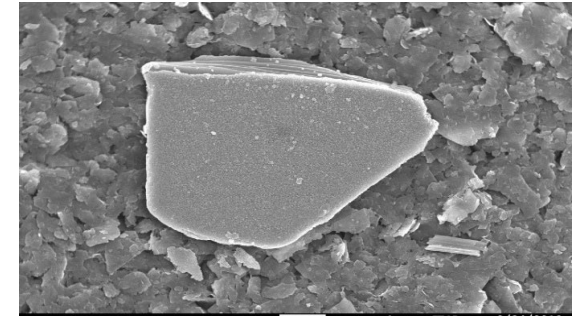
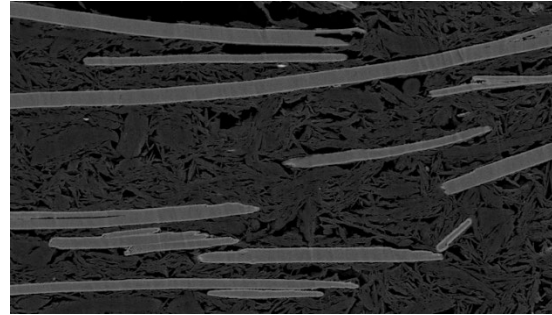
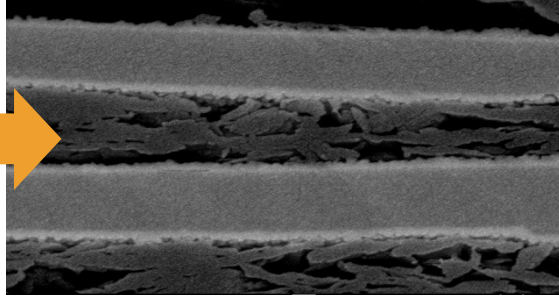
SEM of Glass Flake



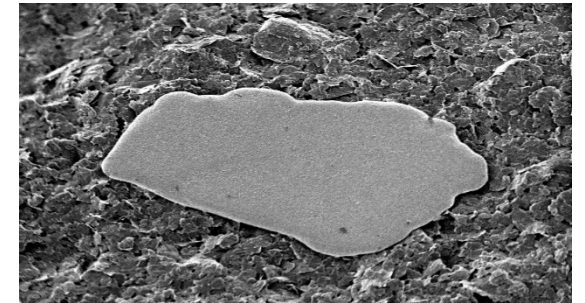
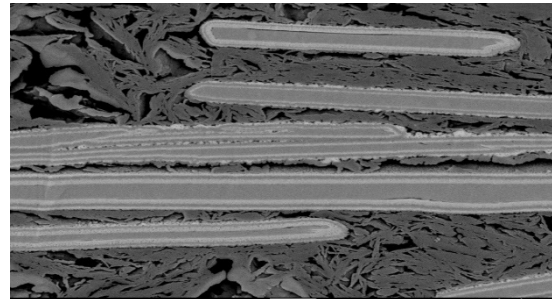
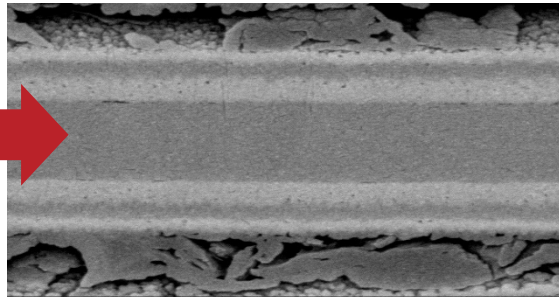
05 PRODUCT PORTFOLIO

SEM of Pearlescent Pigments

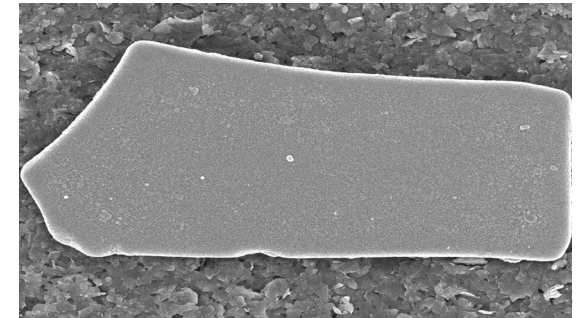
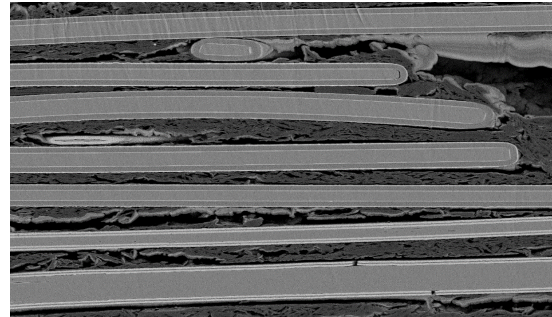
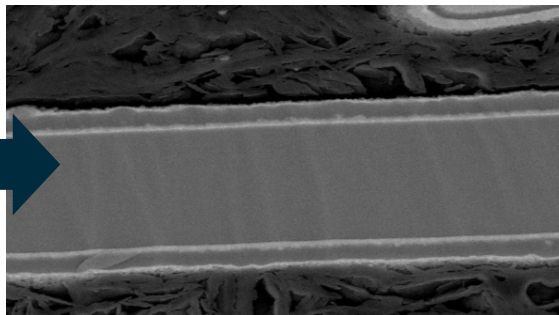
KC9103-SW
Natural Mica Based



XillaMaya T50-10
Synthetic Mica Based

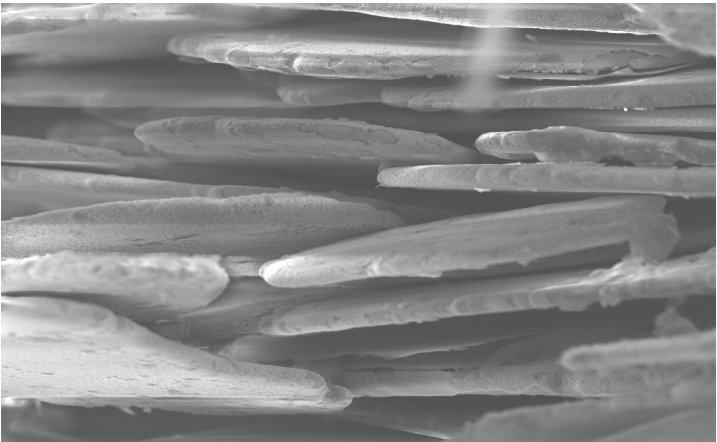
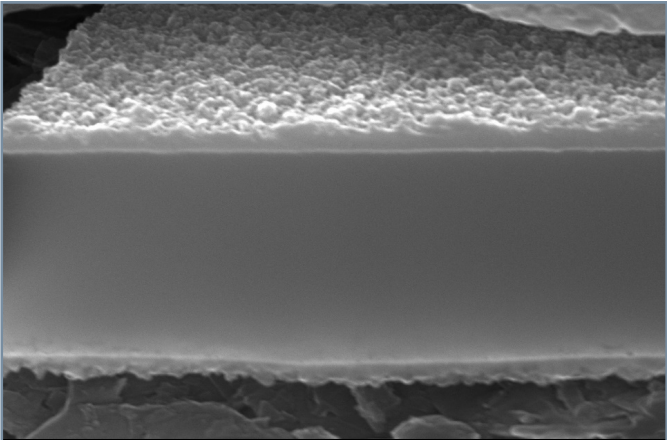


KC19805C
Glass Flake Based

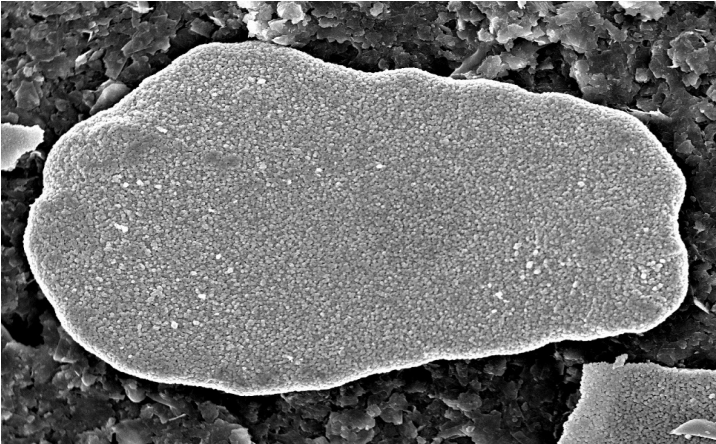


05 PRODUCT PORTFOLIO

Microscope Images

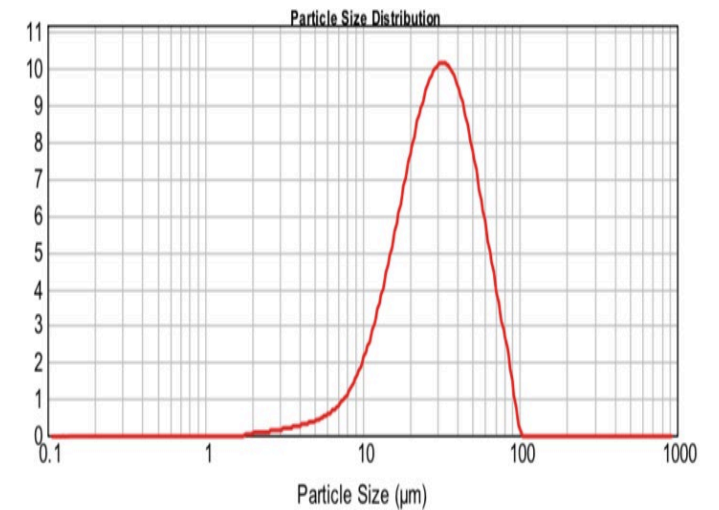
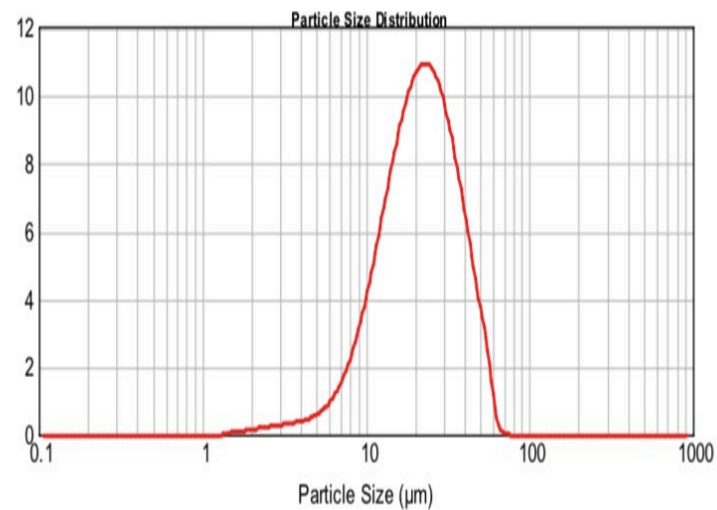
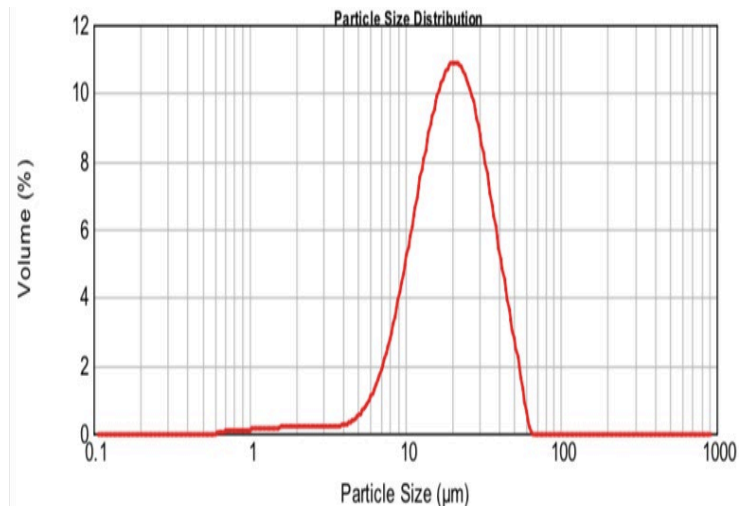


KC820M5-SW
SEM



05 PRODUCT PORTFOLIO

Particle Size Measuring by Malvern



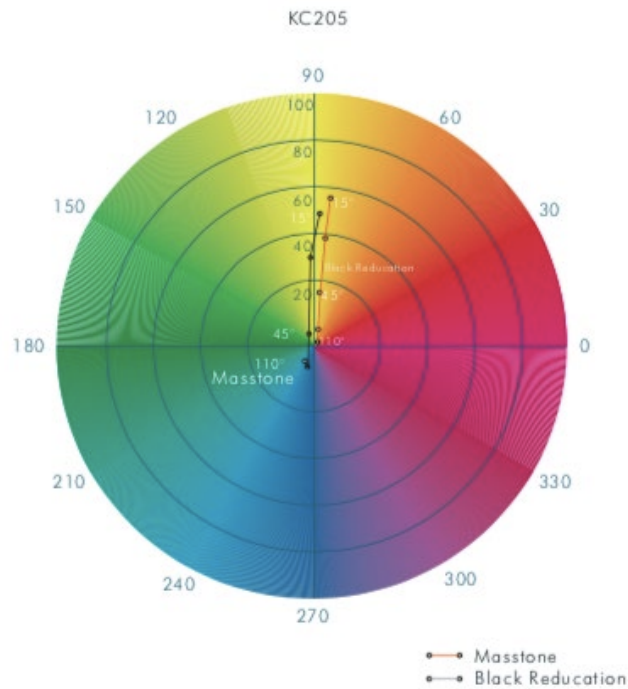
KC9504-SW
PSD-KC9504-SW
(Natural Mica Based)

KC820M5-SW
PSD-KC820M5-SW
(Synthetic Mica based)

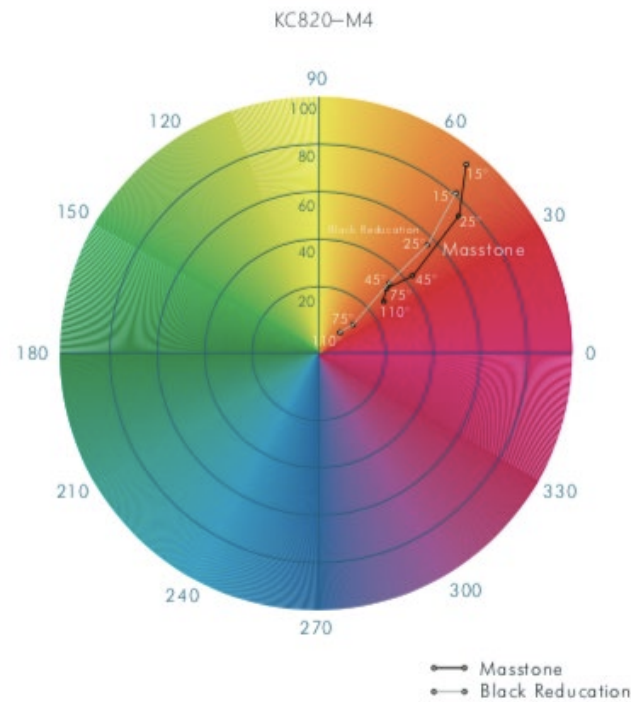
KC9810D-SW
PSD-KC9810D-SW
(Glass Flake based)

05 PRODUCT PORTFOLIO

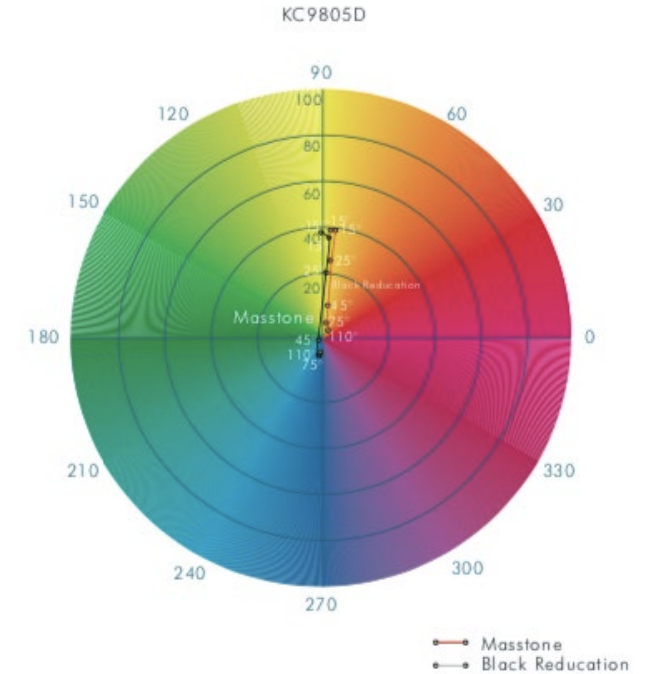
CIE L*A*B Coordinates



KC205
Natural Mica Based



KC820-M4
Synthetic Mica Based

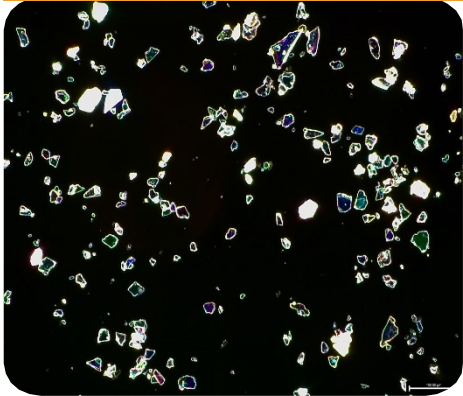


KC9805D
Glass Flakes Based

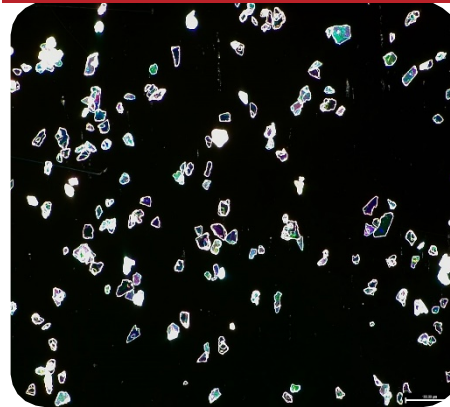
05 PRODUCT PORTFOLIO

Powerful Optical Microscope

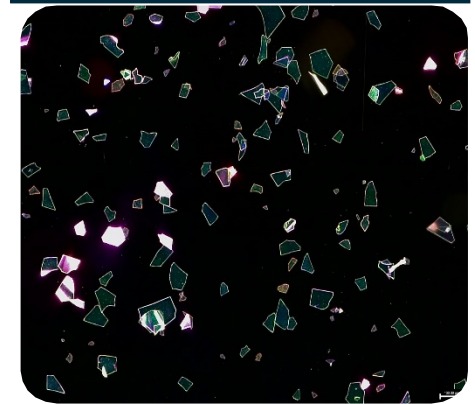
KC9103 SW



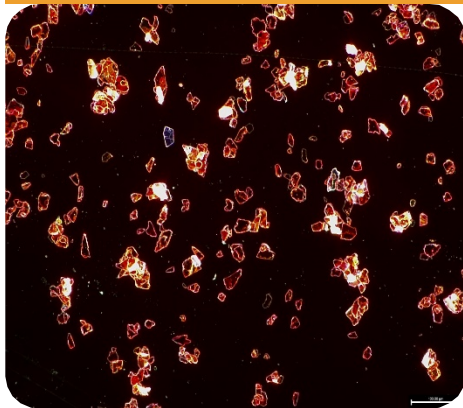
XillaMaya T50-10



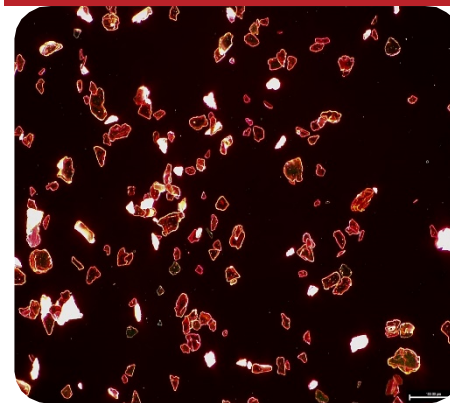
KC19805C



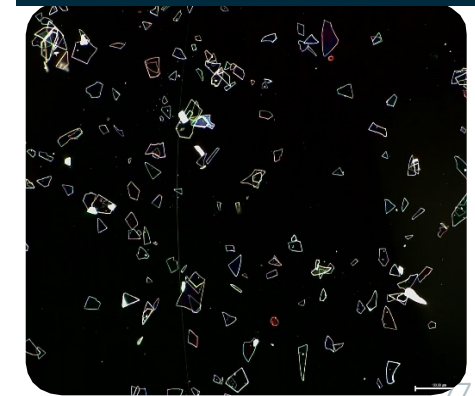
KC9504 SW



KC820-M5



KC9810D-SW





Natural Mica

INDUSTRIAL

- Silver white
- Interference
- Gold
- High chroma gold
- Color
- Earthtone/Metallic

SYAKARP

- Interference
- Multi-layer
- Tight PSD (particle size distribution)
- Surface treated

NEOMICA

- Silver white
- Multi-layer
- Smaller PSD ratio vs. standard pigments
- Less yellow
- Increased hiding

Natural Mica – Special Products (just regional available)

TITANIUM

- Greys
- Interference
- Dark, color intensive tones
- Good hiding power
- Combination of titanium monoxide and titanium dioxide coating

3D MAGNETIC

- Interference
- Dark color tones
- Magnetic

COLOR & PIGMENTATION

- Various shades
- Combination of effect pigments with organic color pigments

**Product
Portfolio**

**SYNTHETIC
MICA**

**CRYSTAL
Series**

**SETALLIC
Series**

**PLOVENCE
Series**

**XILLAMAYA
Series**

**KYNTALINE
Series**

05 PRODUCT PORTFOLIO



Synthetic Mica

CRYSTAL

- Silver white
 - Interference
 - Gold
 - Earthtone/ Metallic
-
- Exterior/automotive grades (available on demand)

PLOVENCE

- Interference
-
- Small particle size
-
- Exterior/automotive grades

SETALLIC

- Strong orange and metallic colors
-
- Multi-layer
 - High chroma
-
- Exterior/automotive grades

KYNTALINE

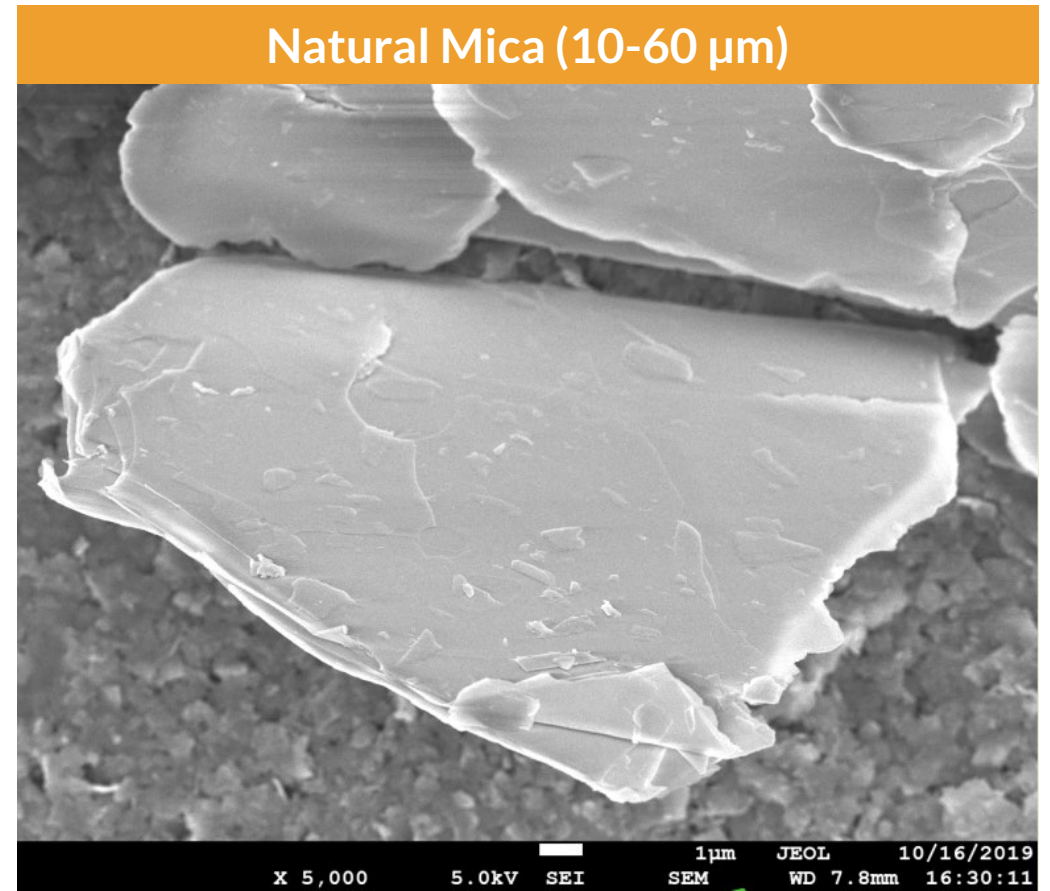
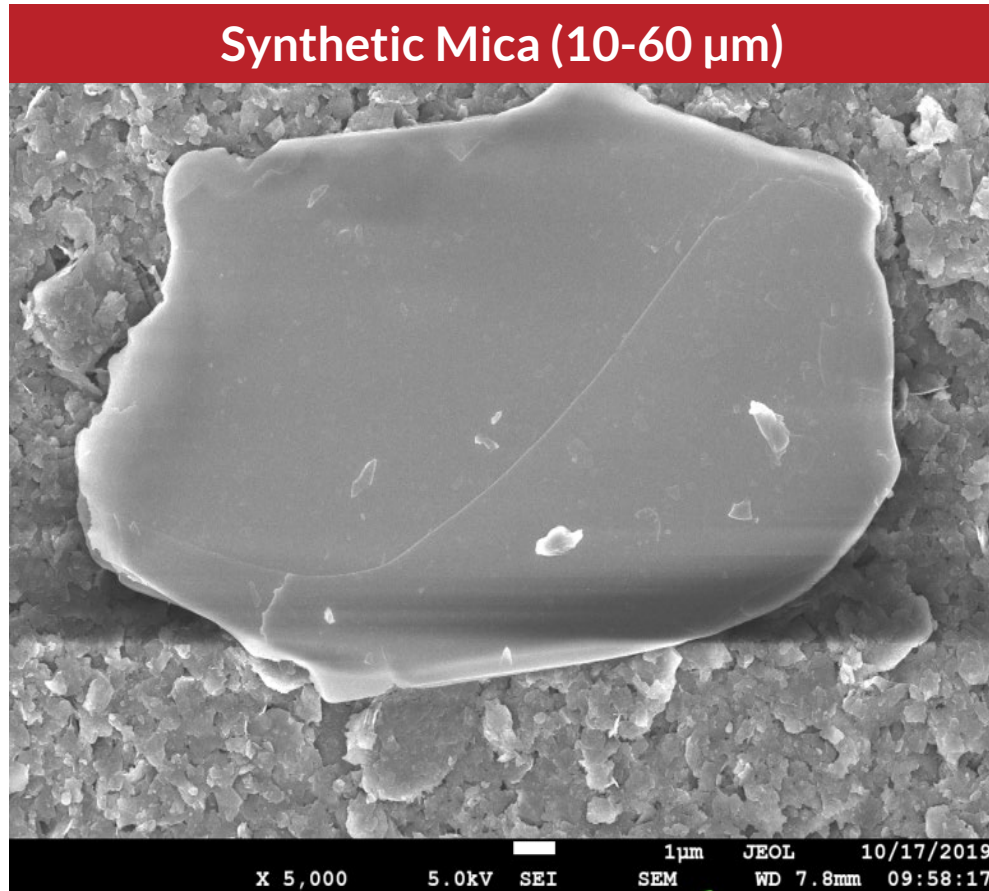
- Silver whites
 - Interference
-
- Multi-layer
 - Tight PSD

XILLAMAYA

- Silver white
 - Interference
 - Gold
 - Earthtone/ Metallic
 - Multi-layer
 - Small particle size
 - Highest chroma
 - Strong sparkle
-
- Exterior/automotive grades

05 PRODUCT PORTFOLIO

Synthetic Mica - SEM Comparison (5000x)

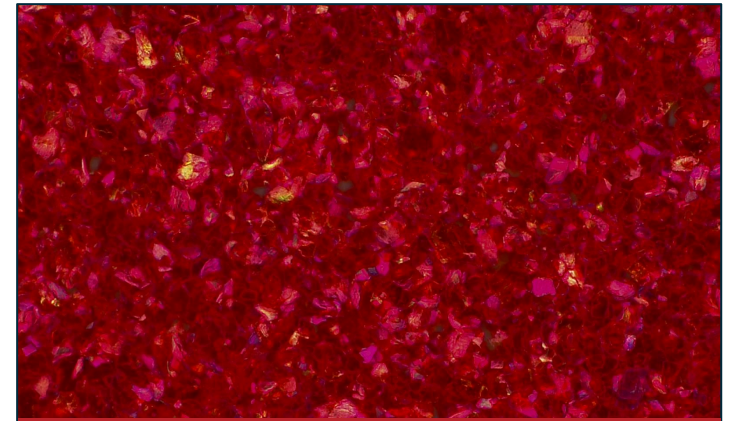


05 PRODUCT PORTFOLIO

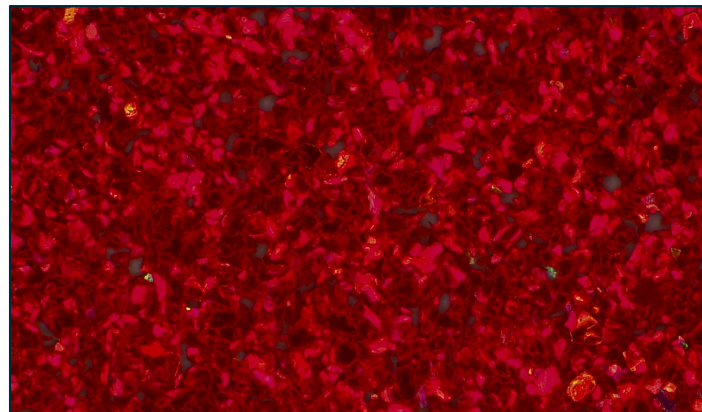
Synthetic Mica - Microscope Performance Comparison - Darkfield



Natural 9504
1000x

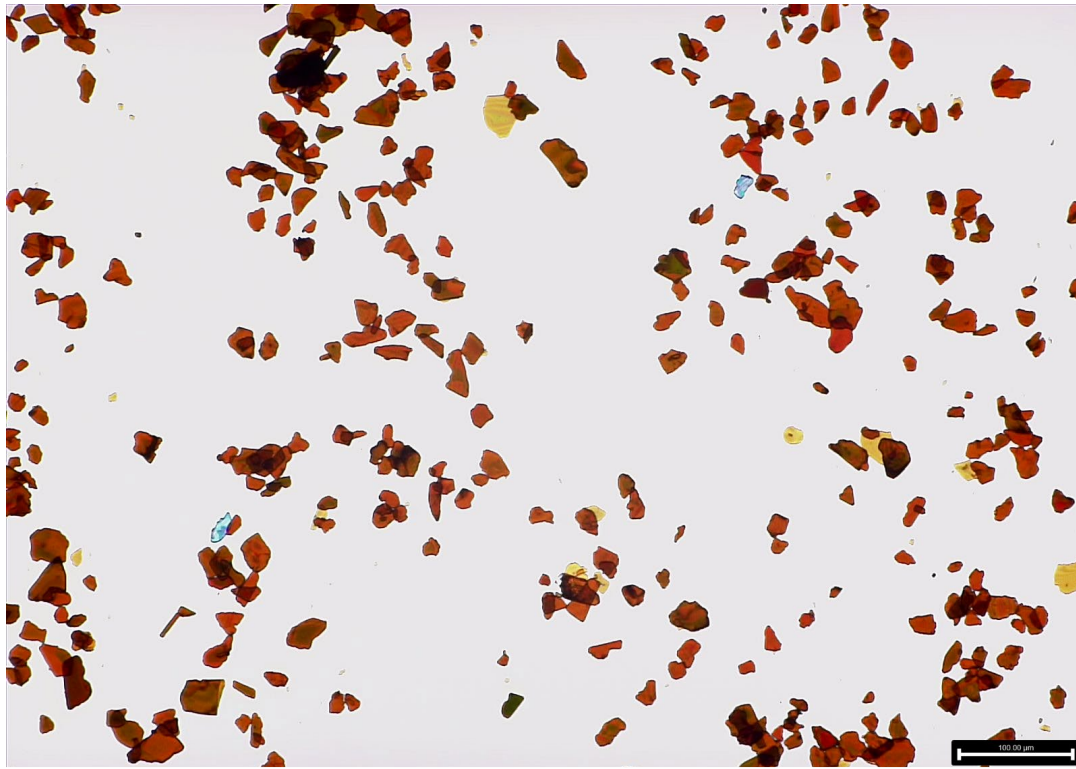


Synthetic Mica Standard - 98304
1000x

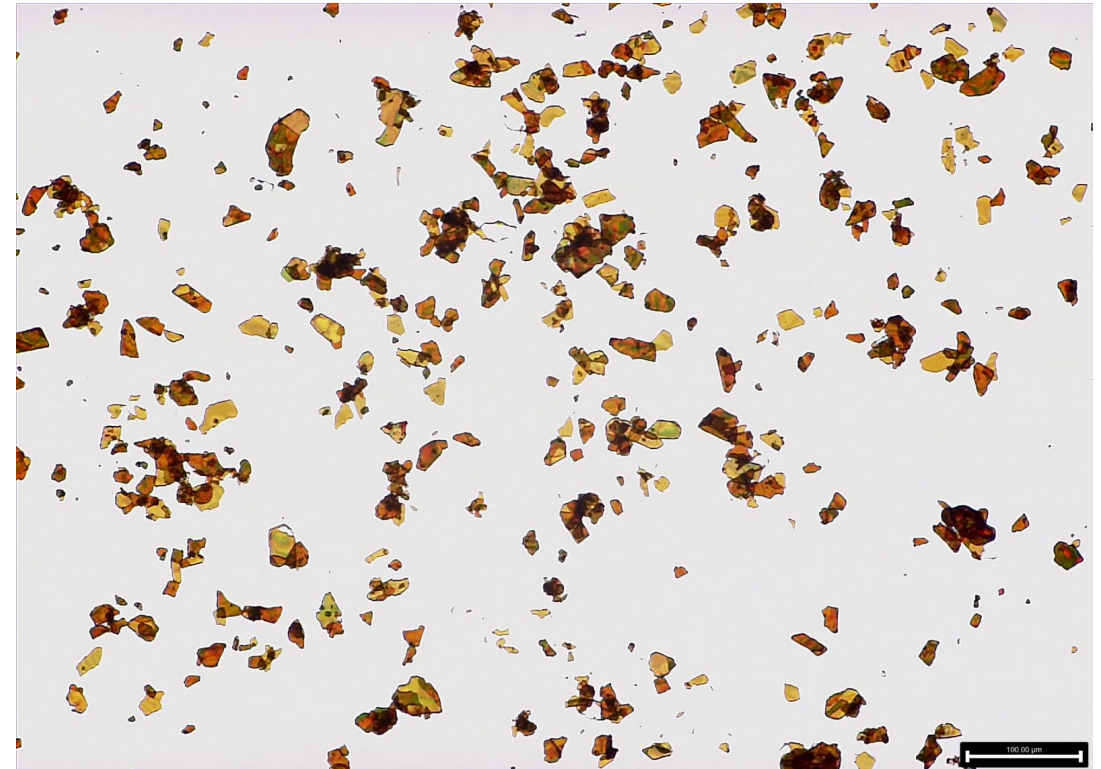


Synthetic Mica Premium - Setallic
1000x

Synthetic Mica - Microscope Performance Comparison - Brightfield



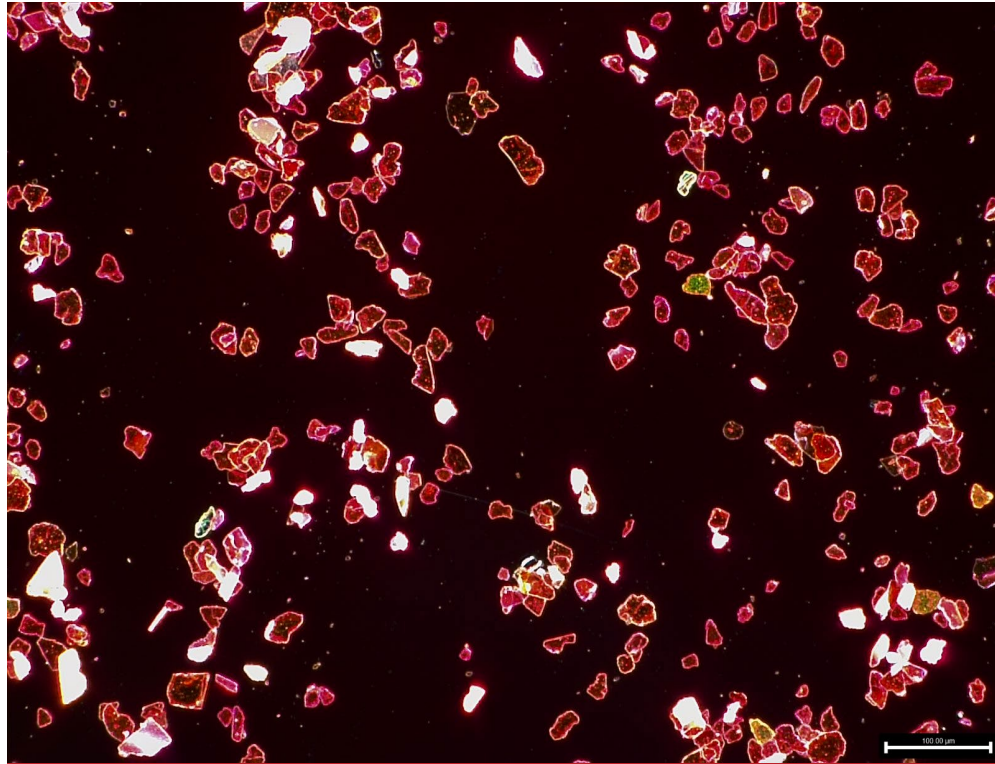
Synthetic Mica
KUNCAI



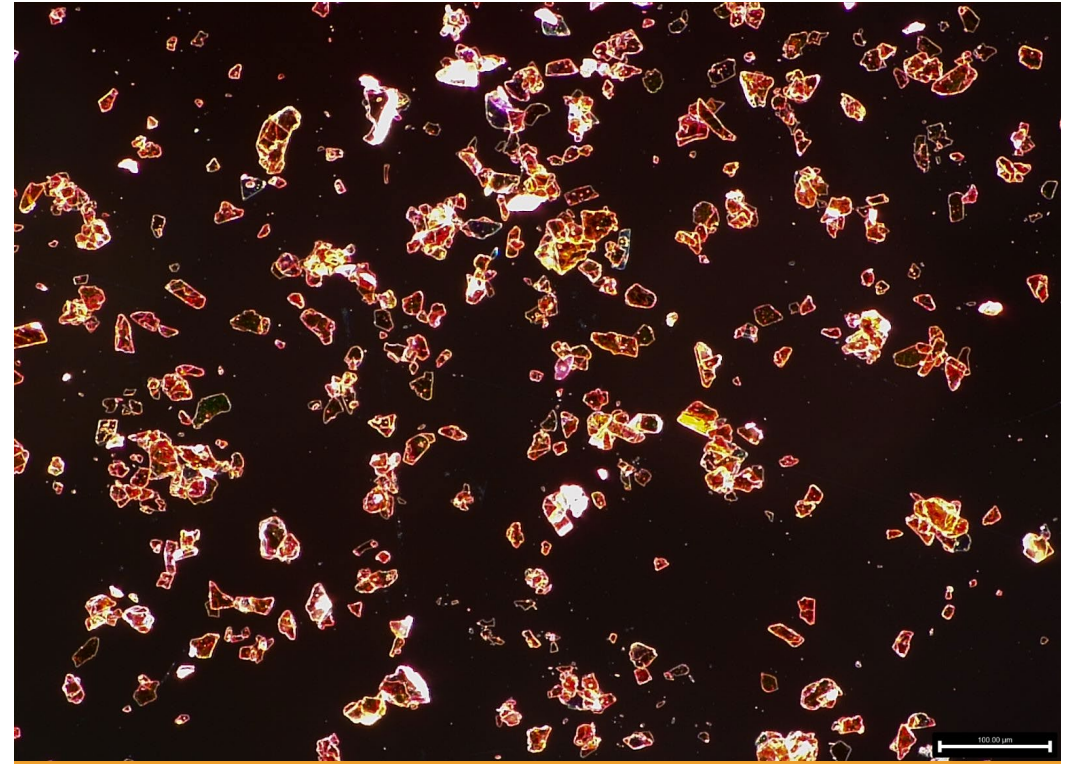
Natural Mica
Competitor

05 PRODUCT PORTFOLIO

Synthetic Mica - Microscope Performance Comparison - Darkfield



Synthetic Mica
KUNCAI



Natural Mica
Competitor

05 SYNTHETIC MICA BY KUNCAI

Physical Features

- Rounder edges
- Less light scattering on edges of mica platelet
- Smoother surface
- Transparent body color
- No impurities
- Fewer fine particles
 - Cleaner colors
 - Strong and saturated color tones
 - Homogenous color tone
 - Less milky
 - Less base or background color changing





Product Portfolio
GLASS FLAKE

PRODUCT PORTFOLIO

Glassflake

DINASTAR

- Silver whites
- Interference
- High transparency
- Strong three-dimensional sparkle

DIAMOND

- Full color range
- Ultra-transparent
- Strong three-dimensional sparkle

CHAMELEON

- Multi-color effect
- Full color range
- Strong three-dimensional sparkle
- Some qualities also based on Synthetic Mica

**Product
Portfolio**

**COSMETIC
PIGMENTS**

**AURORA
Series**

**COSPEARL
Series**

**BOROSTAR
Series**

COSMETICS

AURORA

- Synthetic mica
- Very smooth, regular surface
- High transparency
- Pure white powder color

BOROSTAR

- Calcium sodium borosilicate
- Clean
- High transparency
- Special refractive index

COSPEARL

- Natural mica
- Traditional substrate
- Suitable for natural cosmetics

Product Application



Coatings

Seed Coating

Cosmetics

Plastics

Inks

05 PRODUCT APPLICATIONS

Coatings

Industrial
Railway
Construction
Furniture
Interior



Transportation
Ships & Engines
Oceaneering facilities
Architecture



ADVANTAGES

- Superior corrosion protection
- Extreme weather resistance
- Strong adhesion
- Very good heat resistance
- Good wear resistance
- Very stable in different application systems

05 PRODUCT APPLICATIONS

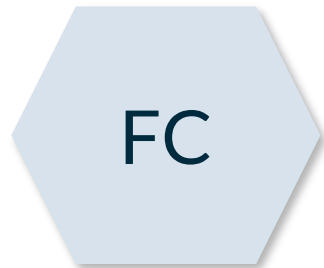
Coatings – Specific Products - Three Weatherproof Treatments



- For solvent and waterborne systems
- Chromium free

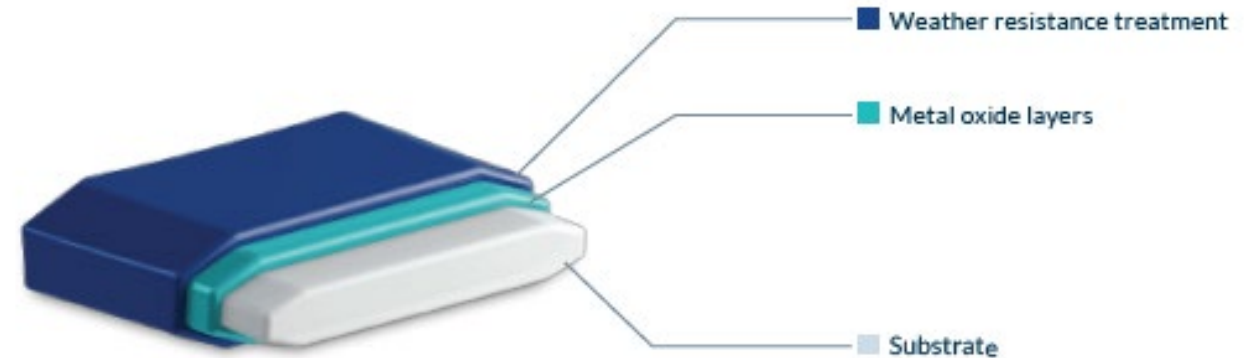


- For powder, plastic coating and other application systems
- Chromium III based coating



- For coil, high temperature coatings
- High performance for all applications
- Chromium III based coating

CROSS-SECTION OF A WEATHERPROOF EFFECT PIGMENT
STRUCTURE DIAGRAM



Product Features

- Final coating with organofunctional layer
- Coating with coupling agent to improve compatibility
- Excellent UV yellowing resistance
- Good temperature resistance
- Very good humidity resistance



Application Properties

- Suitable for waterborne and solventborne systems
- Easily dispersible
- Highly recommended for use in OEM and refinish coatings



Product Features

- Final coating of the effect pigment with chromium hydroxide
- Excellent UV yellowing resistance
- Extremely high temperature resistance
- High humidity resistance



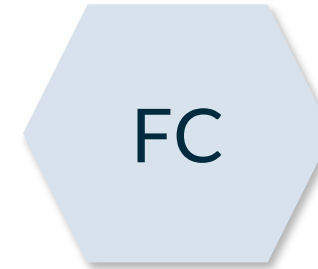
Application Properties

- Suitable for waterborne and solventborne systems
- Easily dispersible
- Suitable for exterior coatings due to excellent weather resistance properties
- Suitable for interior applications due to outstanding humidity resistance and UV resistance properties



Product Features

- Specially designed inorganic encapsulation of the effect pigment particle to protect the titanium dioxide layer and improve UV stability
- Outstanding UV resistance
- Outstanding weather resistance
- Very good high-temperature resistance



Application Properties

- Suitable for both waterborne and solventborne coatings
- Easily dispersible
- Ideal for high-temperature exterior fluorocarbon coatings



Plastics – Specific Products

WM

- Effect pigments surface treated with PE wax
- Low dusting
- Free flowing
- Masterbatch and MPC production

MPC

- High loaded mono pigment concentrate
- No dusting
- Free flowing
- Easy and fast color change
- Masterbatch production

KU

- Anti-Yellowing property treated Effect Pigments



05 KUNCAI PRODUCTS FOR PLASTICS

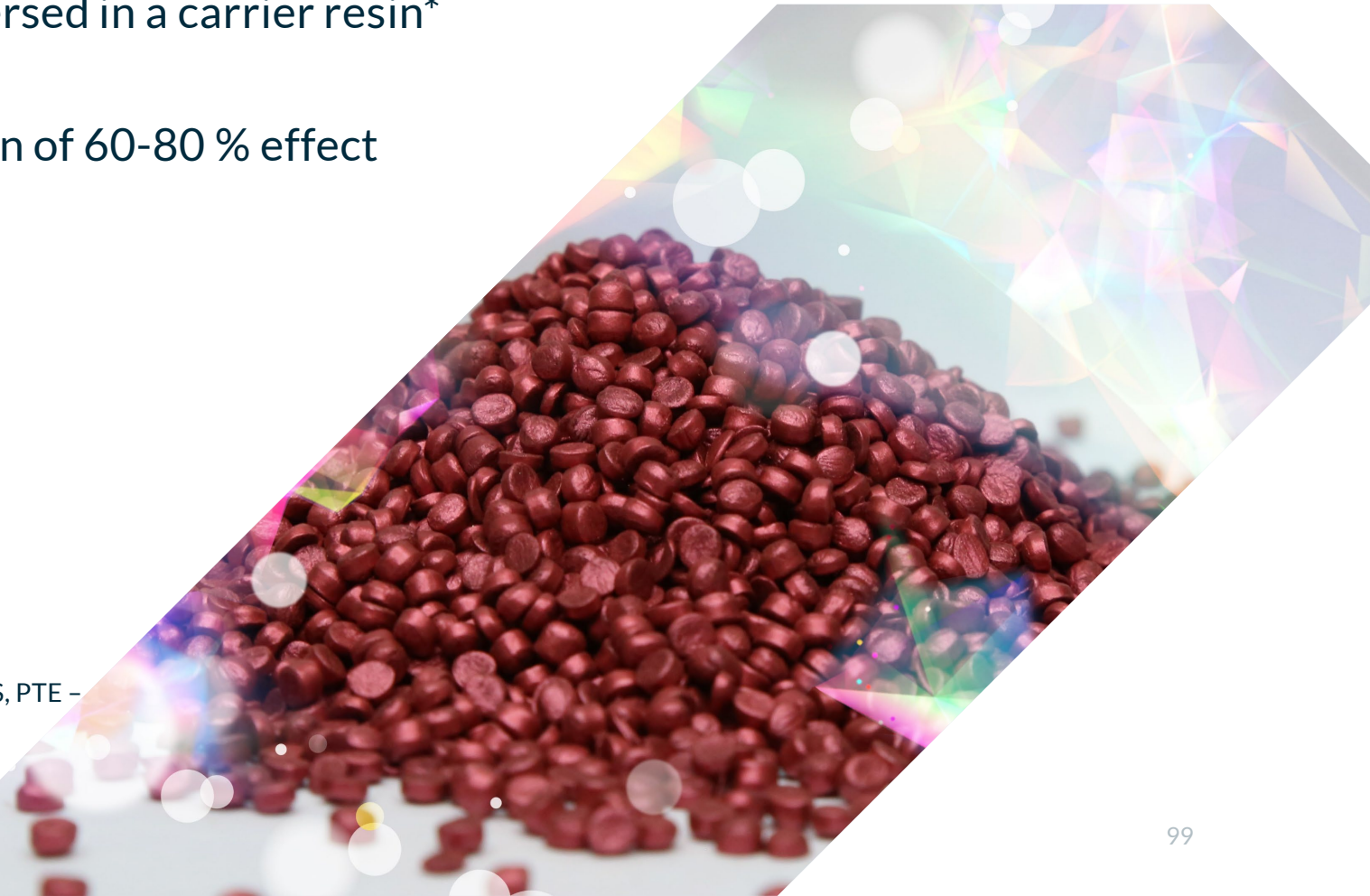
MPCs (Mono Pigment Concentrates)

Kuncaï's mono-concentrates contain a high concentration of a single effect pigment (60 – 80%), dispersed in a carrier resin* with a pellet size of 1 mm to 3 mm.

Our MPCs contain a high concentration of 60-80 % effect pigment loading in:

- Silver White
- Interference colors
- Gold
- Copper
- Chameleon

*Polyolefin (PE) or universal carrier (e.g. for application in PS, ABS, PTE – other carrier resins can also be customized)

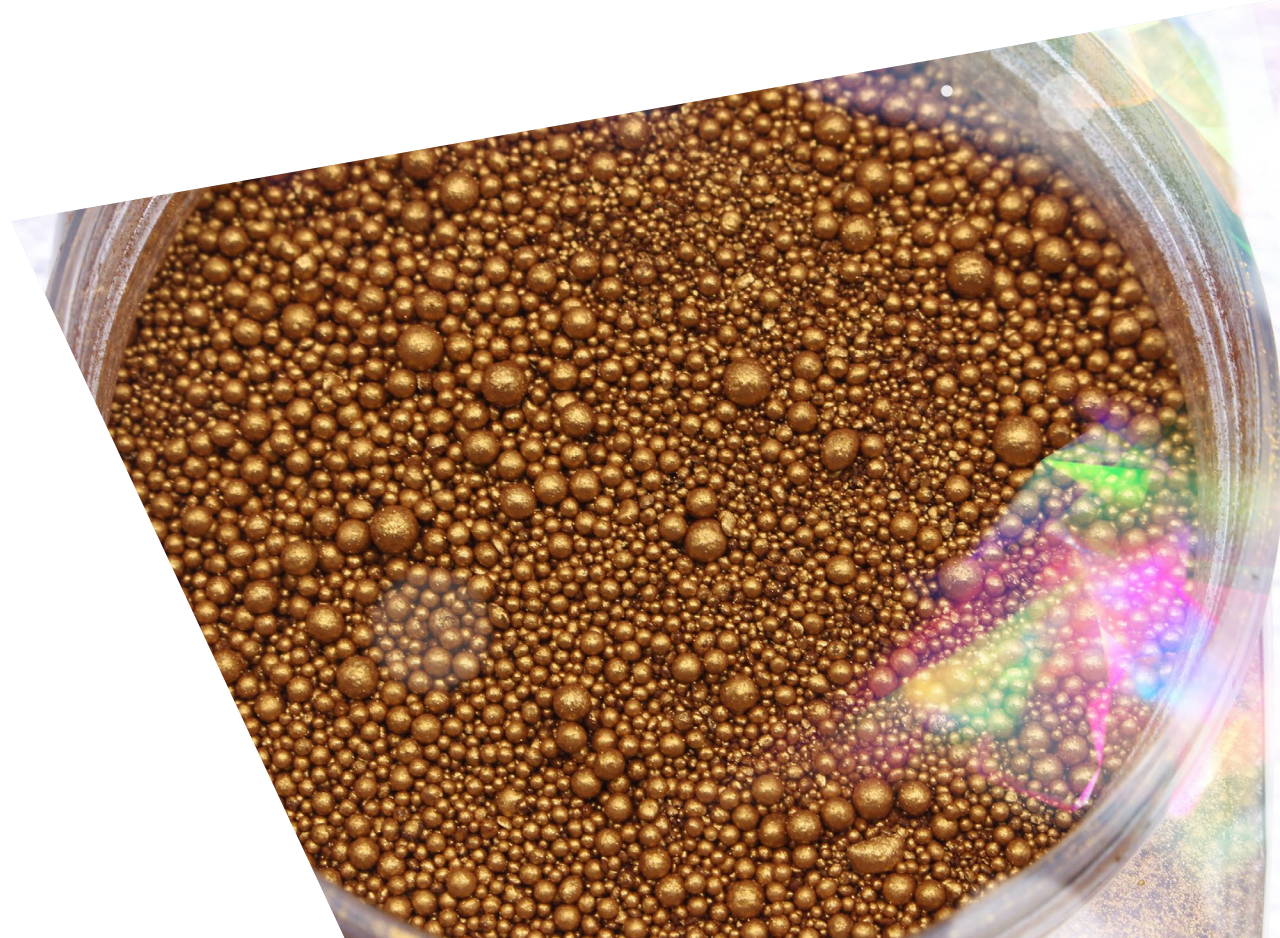


05 KUNCAI PRODUCTS FOR PLASTICS

WM - Pigment Preparations with Wax

- Pigment preparation of 70% KC Pearls and 30% PE wax.
- Product features:
 - Non-dusting
 - Better flow (feeding)
 - Higher throughput in the extrusion process

Most of our standard grades are available as WM grade, volume dependant.



05 KUNCAI PRODUCTS FOR PLASTICS

KU – Anti-Yellowing Grades

These grades are especially treated to ensure non-yellowing in plastics after UV exposure.

- The following KU grades are available:
 - KC100KU
 - KC103KU
 - KC111KU
 - KC119KU
 - KC123KU

→ All grades have been officially approved by L`Oréal (statement is available)



Plastics

ADVANTAGES

- Good dispersibility
- Less breakage
- Good value-in-use ratio
- High purity of color
- Color intensity



Inks

APPLICATION TECHNIQUES

- Screen
- Flexo
- Gravure
- Offset Coating
- Paper Coating

APPLICATIONS

- Wallpaper and Nonwoven
- Packaging
- Textiles
- Magazines
- Fine Papers



05 PRODUCT APPLICATIONS

Seed Coatings

APPLICATION

- Covering seeds with pearlescent coatings

ADVANTAGES

- Easy sorting
- Unattractive to birds/animals
- General protective function



GLOBAL SERVICE

06 GLOBAL SERVICE



Global Market Service Overview



- 33 Distributors in China
- 49 International Distributors
- Sold in 100+ countries
- 24 Hours Global Online Customer Service
- Logistics Service Within 24 Hours

06 GLOBAL SERVICE

Industry References Coatings



06 GLOBAL SERVICE

Industry References Cosmetics



L'ORÉAL



LVMH
MOËT HENNESSY • LOUIS VUITTON

Dior

intercos
GROUP

SHISEIDO

COSMAX 
THE SCIENCE OF KOREAN BEAUTY


CHANEL

OXYGEN
DEVELOPMENT


한국콜마

MARKWINS
international

Industry References Masterbatch



Color Trend Forecasting and Interpretation

GRAY MEETS YELLOW

The Color Ensemble of the Year 2021

"Illuminating" is a bright and cheerful yellow, sparkling with vivacity - a warming yellow shade imbued with solar power.

Description

- Optimism driven by the younger generation
- Earthy and retro
- Soaked in sunshine, mature
- Nostalgic hue

Matching Kuncai Effect Pigments

- KC 9820G Egyptian Gold (10-45 µm)
- Nytalaine KC B15-R3 Super Bright Green (8-35 µm)
- XillaMaya T60-20 SW Sunbeam Gold (6-30 µm)

"Ultimate Gray" is an intense appearance and pronouncedly driven, future orientated shade.

Description

- From pure to colorful
- Interaction of the don of gold or bronze
- Both glossy and matt
- High tech, vibrant and

Matching Kuncai Effect Pigment

- KC 83000E1 Dove G
- Nytalaine KC B40W
- XillaMaya T60-10 SV

A marriage of strength and opt "Ultimate Gray" do not have to either color can take precedent home furnishings, product des

COSMETIC PIGMENT HIGHLIGHTS 2021

2021 - A Year of Special Moments

Experience our Cosmetic Pigment Highlights 2021. After the challenging times we all experienced in the turbulent year of 2020, we would like to send a strong signal with our pigment selection for 2021 which focuses on holistic well-being and self-care. We have put together eight expressive effect pigments for you to test. Our brand new BoroStar pigments are based on highly transparent borosilicates. Synthetic mica is the substrate for our unique Aurora pigments and CosPearl is based on natural mica. In these uncertain times, we need colors that exude positivity and convey strength and energy.

BOROSTAR COSMI 980-G1 3D GLITTERING DIAMOND CHAMPAGNE GOLD	
High chrome and a vibrant green-gold reflection generated by a Fe2O3 layer. Glittering gold, highly transparent and with a uniquely luxurious shimmer.	
BOROSTAR COSMI 980-G2 3D GLITTERING DIAMOND GOLDEN MANGO	
Stunningly clean dazzling gold with the faintest hint of warm reddish gold. Outstanding color reflectivity and exceptional sparkle.	
AURORA COSMI B18V TWILIGHT ROSE	
Reddish purple with a touch of plum; exceptional chrome without organic red. Color depth, brilliant sparkle and good hiding power combined in one pigment.	
AURORA COSMI B19V ORCHID VIOLET	
A powerful bluish purple with an undertone of rich lavender. Intense interference color, high chrome and extraordinary reflectivity.	
COSPEARL COSMI 6735PB TEA GREEN	
A fresh and intense bluish green body color with extended hiding power. Excellent brilliance and gloss with extensive styling potential.	
AURORA COSMI 48R140 CORAL ORANGE	
Intense orange red body color and shimmering sparkle (color + pigmentation). Smooth skin feel due to the perfect ratio of sparkle, color intensity and PSD.	
AURORA COSMI B20V SUPER TWINKLING PENGUIN WHITE	
Adds a brilliant silver white gleam with extended hiding power. Bright and clear body color combined with a pleasant skin feel.	
BOROSTAR COSMI 139R2C GOLD/GREEN VERY FLASH	
Gleaming, pure, sunny color with a superb green golden color shift. Offers high brightness, exceptional reflectivity, and ultra-transparency.	

All pigments comply with all international cosmetic regulations.

Sunny Pastels

Delicious and light and irresistible combinations, bring you to life, and be so close to the sun. Some pastel with a subtle or bright color, can be used in a variety of ways and techniques in beauty and care. From skin care to hair care, from home decor to fashion, from jewelry to food and beverage of the table.

Mellow Blue	100%
Fluffy Blue	100%
Sugar Palm	100%
Honey Bee	100%

Natural Look

The contrast between strength and fragility is a natural state of nature. It presents us with an unbelievable variety of colors based on natural beauty and mystery and inspires us to find beauty in their details. Thus green has come to be regarded as a symbol of hope and well-being, and is widely used in various fields of environment.

Blackberry	100%
Clay Creek	100%
Cactus	100%
Colony Leaf	100%

Next Level

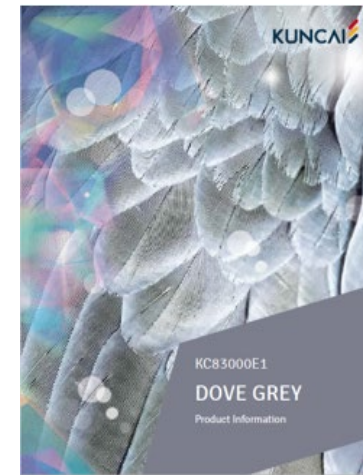
Color makes color capable of interacting with their environment as a strength and power, and makes the complexity of recording. These colors stand out for their unique, vibrant and technological. When it comes to the horizon of new trends, we find exciting color in places - a variety of styles and materials that have a new direction.

Golden Talcum	100%
Deep Space	100%
Luminous Red	100%
Sligo Dance	100%

06 GLOBAL SERVICE

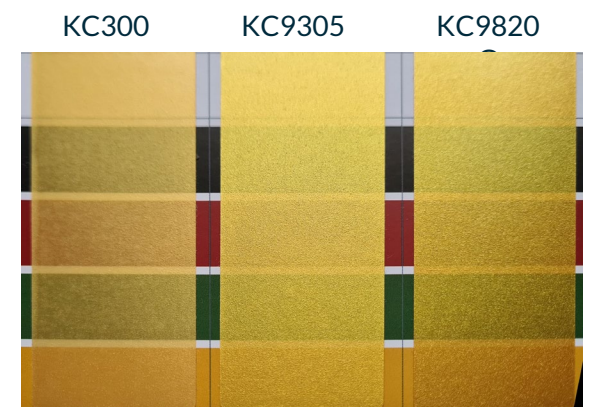
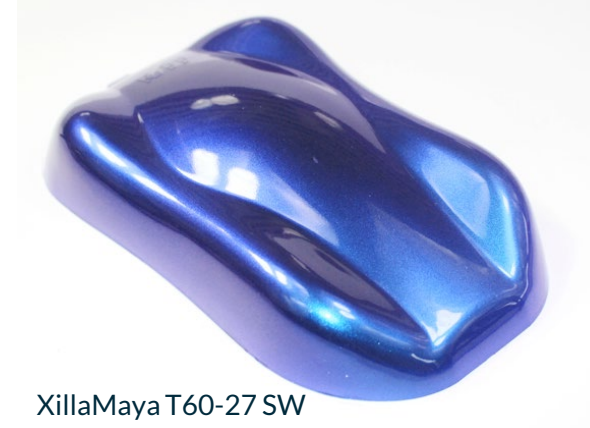
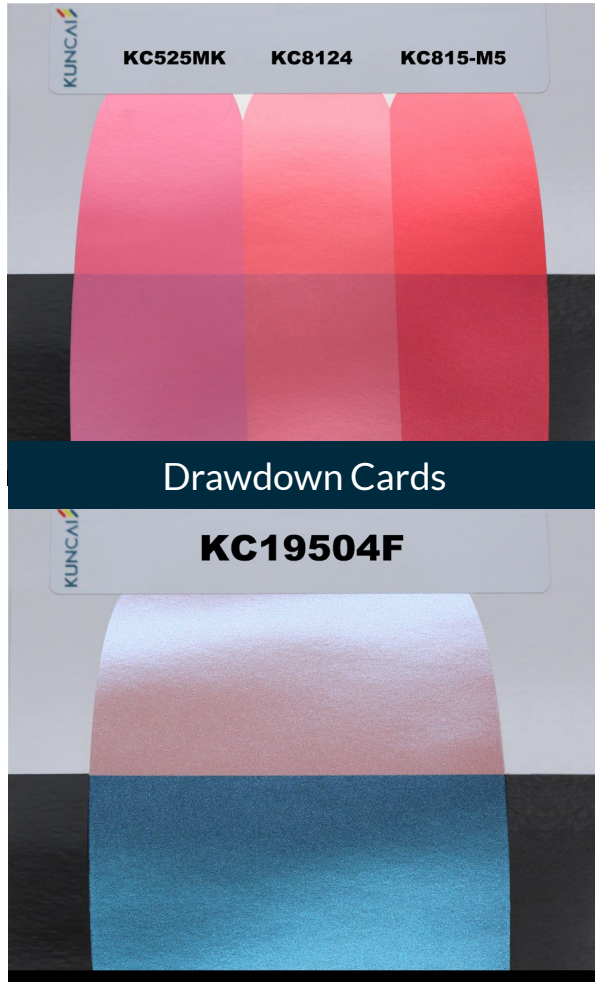


New Product Information and Brochures



06 GLOBAL SERVICE

Sales Tools



06 GLOBAL SERVICE

Application Demomaterial



Coated Comparison Panels: XillaMaya and Reds



Coated Comparison Panels: Silver whites



Coated Comparison Panels
Single Colors (e.g. KC9820G)

06 GLOBAL SERVICE

Application Information with Color Demonstration

READY TO PERFORM
Effect Pigments Mono Concentrates

Intermediate Products for
Masterbatch & Compounds

This panel features a background of colorful, faceted geometric shapes. In the foreground, several small, clear plastic containers are arranged, each filled with different colored, chunky pigment concentrates. The colors include shades of blue, green, yellow, orange, red, and white. A large, dark blue, angular graphic element is overlaid on the bottom left, containing the text.

**EFFECT MONO
PIGMENT CONCENTRATES**

Sample Collection
Injection Moulding

This panel features a background of colorful, faceted geometric shapes. In the foreground, several small, clear plastic containers are arranged, each filled with different colored, chunky pigment concentrates. The colors include shades of blue, green, yellow, orange, red, and white. A large, bright yellow, angular graphic element is overlaid on the bottom left, containing the text.

This panel displays a grid of nine rectangular color swatches. The top row consists of three white swatches. The middle row consists of three grey swatches, with the central one being a darker shade. The bottom row consists of three colored swatches: a yellow, a red, and a dark grey. The KUNCAI logo is faintly visible on the middle and bottom row swatches.

**WELL EQUIPPED
FOR TOUGH
CONDITIONS**

Effect pigments for
automotive and other
exterior applications

This panel features a background of colorful, faceted geometric shapes. A large, dark blue, angular graphic element is overlaid on the bottom left, containing the text. The background image shows a perspective view of many vertical, faceted bars in various colors, creating a sense of depth and texture.

06 GLOBAL SERVICE



Presentations

AGENDA

- Company Profile
- R&D, Production, QA Center Overview
- Product Portfolio
- Global Service
- Corporate Social Responsibility
- Strategy & Vision

04 COATING APPLICATIONS



Automotive and Refinish

High Performance Weatherproof Effect Pigments for the most Demanding Applications

Discover the paradox of amazing sparkle and fine PSD



Choose from our broad product portfolio

- KC Pearls (Natural Mica)
- KC Pearls and Setallic (1st and 2nd Generation Synthetic Mica)
- XillaMaya (Synthetic Mica)

XillaMaya is the pinnacle of OEM and Refinish paints offering a combination of strong sparkle, high color intensity and small particle size.

05.10.2020



AURORA CHAMELEON FLOW SERIES

Color Travel with Synthetic Mica

04 SUPER FLASH DIAMOND PIGMENTS



Maximum Sparkle and Exceptional Reflectivity

Example of Product Positioning

Capture the Stars!

In a clear night sky, catch the most beautiful shooting stars and discover the bright constellations along the Milky Way.

Sparkling. Irresistible. Striking.

Colors: White (2), Gold, Red, Purple, Blue and Green

PSD 100-500 µm

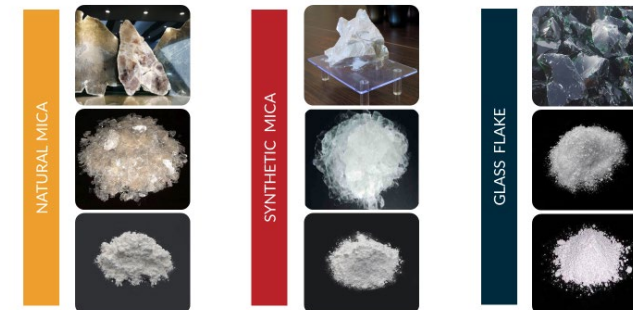
05.08.2020 Barostat Effect Pigments



05 PRODUCT PORTFOLIO



Substrates



PRODUCT HIGHLIGHTS 2020

Intense. Vibrant. Multichromatic.

Digital Mailings



Pearlized Personal Care with Kuncai Effect Pigments

Soft, Cabernet Blue.
Discover a new way of thinking possible that will allow you to highlight skin's SPF through its appearance and make your personal care products stand out from the crowd with their distinctive colors.

Aside from bringing your effects, the elements also offer performance benefits: our pigments offer users greater resistance to UV rays, make the fragrance of your products last longer on the skin or on fabric.

The Benefits of a Glace:

- Enhance visual appearance with pearl effects
- Support transparent packaging and protect colors with multi-layer pigments
- Differentiate your products at the PDI with aesthetic and emotional color concepts
- Reduce lighting effects (UV protection level)
- Attract customer's attention with pearlized effects in transparent packaging

Small Vibraz Glitzing.
This bubble bath will show a collection of styling options using 11 different pigments from our brand product portfolio.

The color palette comprises pigments from our Aqua whitening line, as well as a unique formula for translucent pearl and one of our Color Pigments based on natural mica.

The chosen pigment substitutes a significant impact on the final effect and aesthetic appearance.

Small Naturalika sustainable elegance with a "traditional" pearlized shimmer.

Vibraz formula mica applied with light white, intense blue colors, superb multilayered effects and vibrant sparkle.

Glitzing Pigments based on calcium aluminum borosilicate offer strong color and high reflectivity combined with a zinc and iron that enables multilayered highlights.

Use Effect Pigment:
Strengthen your brand identity for any packaging design.

IT'S ALL ABOUT THE GLOW!

CosPearl Bright Tan

Natural Beauty Emphasized by a Captivating Deep Metal Luster

Most consumers want a glowing complexion, a flexible skin texture and rich color. In addition to proper nutrition and healthy lifestyle, there are a variety of cosmetic products that can help in the search for eyes, face, chest and body.

The luxurious appearance of skin is caused by the reflection of light, and this is why our effect pigments offer interesting potential to enhance and brighten skin texture.

Flawless Finish with Shimmering Glow

Discover this natural looking skin care with a radiant, golden-hued and a subtle shimmer which makes skin complexion perfect. The reflection on transparent or metallic or natural shades and golden glow.

Create the Perfect Look!
CosPearl Bright Tan based on natural mica and is the perfect choice for a wide range of applications. It is a strong pigment for new products, big brands and local brands.

Whether alone or in combination with other effect pigments, it allows for the creation of numerous color shades and textures with different skin tones.

Amazingly Versatile

In combination with mica, this skin-softening metal color pigment imparts a shimmering effect and is suitable for cosmetics such as: eye shadow, blush, lip gloss, lipstick, sunscreen, foundation and more for the perfect contouring and fresh, youthful complexion with shimmering highlights.

TAKE ADVANTAGE OF THE COLOR OF THE YEAR 2020

Our Highlight - CosPearl Dark Blue

Classic Blue is the color of the year chosen by the renowned Pantone Color Institute for 2020. timeless, stable pigment, capable, reliable (healthy) and easy-to-use. It's for the new generation.

CosPearl Dark Blue - The Perfect Choice to be on Trend

Our natural mica based pigment perfectly matches this relaxing and refreshing color trend. It conveys peace and elegance to deep, shimmering, powerful color that is representative of the abundance of color development.

This rich, vibrant color like pigment is a perfect choice for enhancing packaging and emotional blue tones.

Considering the background color the pigment will display on or of a host from a rich contrast to a soft color on a natural blue color.

The amazing color effect is based on the combination of a pearlescent pigment with a transparent mica. The base color of the color is enhanced by the reflection of the interference color which results in a blue to a transparent color effect.

A Shimmering Blue for Irresistible Cosmetic Application

As an integral part of the 2020 fashion scene, blue also opens an exciting direction for a wider variety of cosmetic applications. The shimmering color can convey peace of mind, clarity, focus and new perspectives.

Blue eye makeup
will present a deep, strong look that recaptures the depths of the ocean. Whether as conceptualistic concept, as an eye liner or as a look for eye makeup, it will have many ways to create a uniquely beautiful eye makeup.

FANCY COLOR DIAMONDS

Bioraster 3D Flashing Diamonds

Irresistible, Dramatic, Magical

Luxurious, sparkling diamonds have always been a symbol of wealth and nobility. This is why they are used in jewelry, and are also a common feature in many products. Our diamonds are designed to be used in jewelry, and are also a common feature in many products. Our diamonds are designed to be used in jewelry, and are also a common feature in many products.

Sparkle with Multicolor Highlights

Explore our range of stunning effect pigments based on calcium aluminum borosilicate with multicolor multilayer highlights and the sparkling sparkle of any color diamonds. These pigments from light to transparent and produce a striking color effect with high reflectivity, super-chrome and a rainbow effect.

With their multicolor sparkle, these pigments produce extremely well suited decorative and personal care cosmetics. Even those images of pigments have a significant effect on the final effect, especially in transparent formulations.

Colors that Capture the Rainbow

Our COSM 950-20 Flaming Diamond series captures the colors of the rainbow and includes Silver White and Silver Chrome colors, Gold, Red, Purple, Blue, Turquoise and Green.

They are all suitable for creating eye-catching applications and give your products a compelling and shining look. The pearlescent pigments, which are made in high purity with the distribution of 20-100µm, which also allows for the Irresistible Effect of the pigment.

Find inspiration and give your products to that which is on a page.

GRAY MEETS YELLOW

The Color Ensemble of the Year 2021

"Bristlewing" is a bright and cheerful yellow, sparkling with vibrancy by a shimmering yellow shade imbued with color power.

Description

- Optimism driven by the younger generation
- Earthy and natural
- Caused in sunshine, nature
- It's all in life

Matching Kuncai Effect Pigments

- KC 9620G Eggrain-Gold (20-45µm)
- Yopalatine KC 9625 Super Bright Green (10-35µm)
- XillaMaya T60-20 Super Sunbeam Gold (6-30µm)

"Bristlewing Gray" is an intense, soft toned grey with a puristic appearance and pronounced sparkle capability. A technically driven, future-oriented shade.

Description

- From pure beautiful soul
- Interaction of the dominant color silver with hints of light for texture
- Bath grey and matte
- High light, vibrant and modern appeal

Matching Kuncai Effect Pigments

- KC 80060S Deep Gray (20-45µm)
- Kyalatine KC 8007W (20-40µm)
- XillaMaya T60-20 SW Crystal Silver (6-30µm)

PURE AND SUSTAINABLE

Effect pigments powered by Synthetic Mica

Discover color purity and intensity for your application

Natural effect pigments are nice as an impact on nature. In a wide range of materials and quality, they are used in jewelry, and are also a common feature in many products. Our diamonds are designed to be used in jewelry, and are also a common feature in many products.

Synthetic Mica by KUNCAI

KUNCAI is the technology leader for synthetic mica production. A patented, optimized production process ensures consistent and high quality products. Our synthetic mica is made from natural mica, which is refined to a high purity level. The production process is fully integrated into the production of synthetic mica. The integration of the production process into the production of synthetic mica ensures consistent color and color of other synthetic mica products. Our synthetic mica is made from natural mica, which is refined to a high purity level. The production process is fully integrated into the production of synthetic mica. The integration of the production process into the production of synthetic mica ensures consistent color and color of other synthetic mica products.

Product benefits

- High transparency
- High refractive index
- High refractive index
- Interacts differently with light
- Smooth over surface structures
- Easy to use in coloring
- Reduces heavy metal content
- Good hiding power
- Interacts metallic

Comparison of Natural Mica with Synthetic Mica and Synthetic Synthetic Mica

Due to their thin film thickness synthetic mica (platelets) and their rounded particle structure, their use problems a more even surface appearance of the application. As synthetic mica is made from natural mica, which is refined to a high purity level, the production process is fully integrated into the production of synthetic mica. The integration of the production process into the production of synthetic mica ensures consistent color and color of other synthetic mica products.

KC 289 Crystal KC 852S Kyalatine KC 850-R3

ECS Highlights

March 2019

Clear. Smart. Versatile. High Performance Effect Pigments

New effects on our core substrate synthetic mica

Kuncai, one of the leading and largest global pigment manufacturers, with over 40 years of experience in effect pigments, has recently introduced its latest product development, the European Coatings Show. Our new product line, ECS (European Coatings Show), offers a wide range of high performance effect pigments and offers a wide range of high performance effect pigments and offers a wide range of high performance effect pigments.

SEALIC KC215-M4 Synthetic Red

The characteristic of KC215-M4 is its high intensity and vibrant sparkle at a small particle size with a strong pronounced effect. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments.

KUNCAI ECS-Red

The characteristic of ECS-Red is its high intensity and vibrant sparkle at a small particle size with a strong pronounced effect. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments.

PURE AND SUSTAINABLE

The European Coatings Show range offers the best of the best in terms of high performance effect pigments and offers a wide range of high performance effect pigments. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments.

LESS COULD BE MORE

XillaMaya appears to defeat the laws of physics

Sparkle, color intensity, high value-in-use and small particle size

Kuncai has managed to combine a strong sparkle with high color intensity while maintaining small particle size. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments. The relatively low refractive index and the high refractive index allow for a wide range of high performance effect pigments.

Product Features

- Synthetic Mica
- Multilayer Technology
- Broad Color Range (Silver White, Silver Chrome, Earth Tone)
- Small Particle Size
- Tight Particle Size Distribution
- High Color Intensity
- High Value-in-Use
- Strong Sparkle under Different Light Conditions
- Good Hiding Power
- Only Available in Exterior/Automotive Grade

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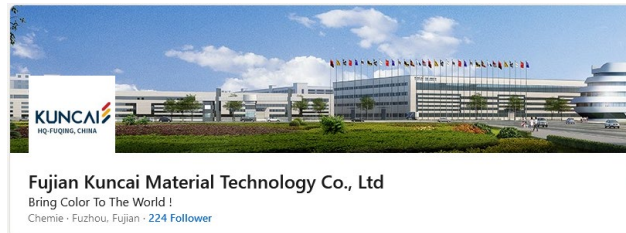
New York Office: KUNCAI AG, 110 W. 31st St., New York, NY 10001, USA. Tel: +1 212 4664-0. Fax: +1 212 4664-200. Email: kum@kuncai.com. Website: www.kuncai.com

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06 GLOBAL SERVICE

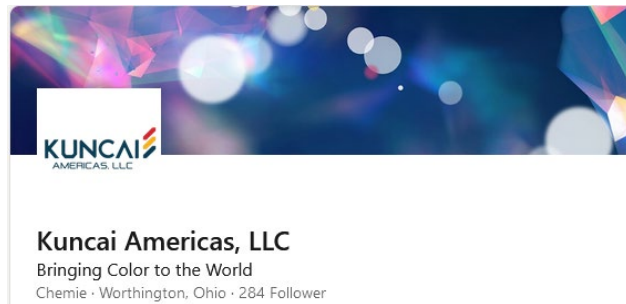


LinkedIn & Website



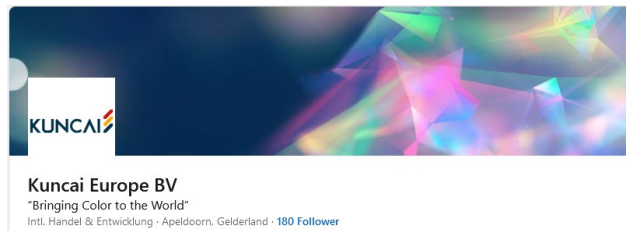
Fujian Kuncai Material Technology Co., Ltd
Bring Color To The World!
Chemie · Fuzhou, Fujian · 224 Follower

<https://www.linkedin.com/company/1918840/>



Kuncai Americas, LLC
Bringing Color to the World
Chemie · Worthington, Ohio · 284 Follower

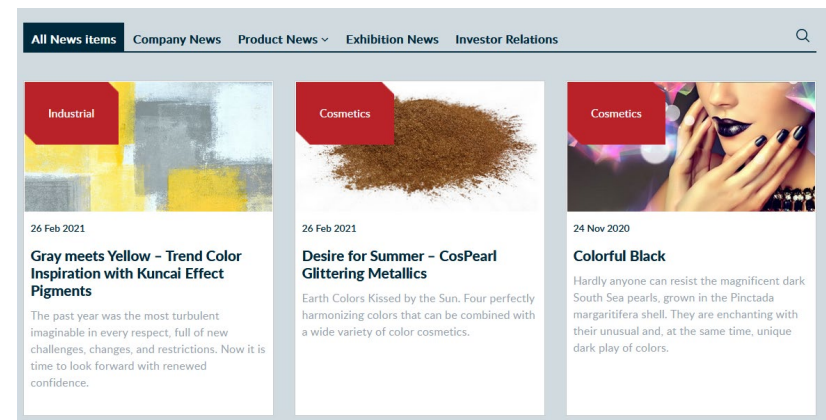
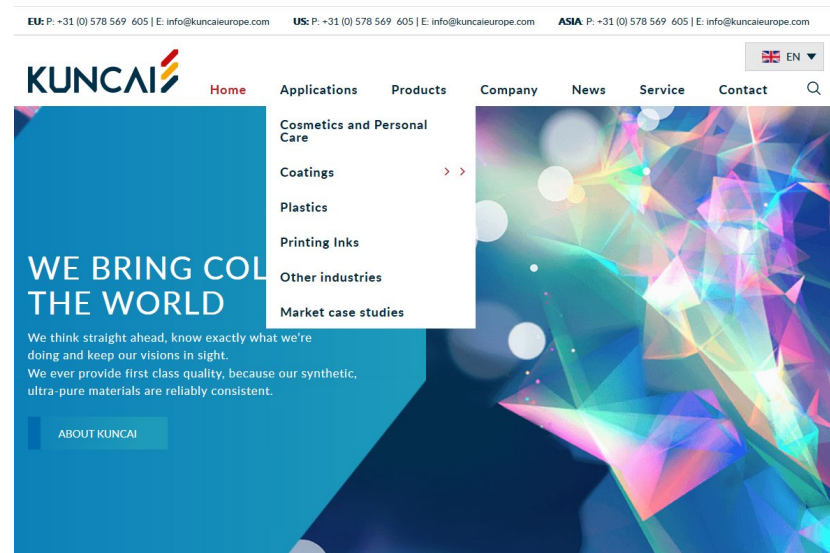
<https://www.linkedin.com/company/kuncai-americas-llc/>



Kuncai Europe BV
"Bringing Color to the World"
Intl. Handel & Entwicklung · Apeldoorn, Gelderland · 180 Follower

<https://www.linkedin.com/company/10227854/>

www.kuncai-pigments.com

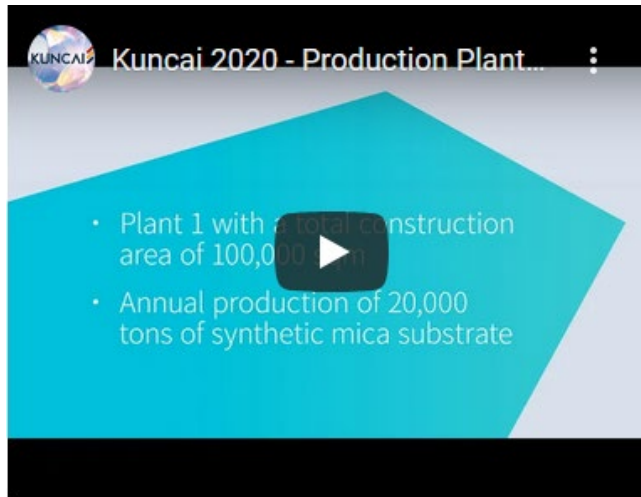


Corporate Videos



Kuncai Technology and Applications

<https://www.youtube.com/watch?v=LMld2qPLjBg&t=4s>



Production Plants Overview

<https://www.youtube.com/watch?v=E0durH0CNds>



Performance meets Design video

<https://youtu.be/GpliYqvqzVE>



<https://www.youtube.com/channel/UCbektHc2xKEhWxX6V5f8DRg>

06 GLOBAL SERVICE



Exhibitions



NYSCC USA



European/American Coating Show



Chinacoat



In-Cosmetics



Chinacoat

06 GLOBAL SERVICE

Conferences

Distributors
Conference



Employee
Meeting



Technical
Seminar



Management
Technical
Training



CORPORATE SOCIAL RESPONSIBILITY

07 CORPORATE SOCIAL RESPONSIBILITY



Mica Supply Chain Brazil

Processor	Von Roll do Brazil Ltda
Mine	Von Roll do Brazil Ltda
Purchasing contract?	Yes
External audit?	Yes
Supplier code of conduct?	Yes



Sourcing mica from Brazil is a good decision that Kuncai made. "Mining areas and processing plants sharing the same location means a transparent and traceable supply chain which eliminates the risk of child labor." Mr Xie, Chairman of Kuncai



07 CORPORATE SOCIAL RESPONSIBILITY

Sustainable Development

EcoVadis provides the leading solution for monitoring sustainability in global supply chains. Using innovative technology and CSR expertise, Ecovadis strives to engage companies and help them adopt sustainable practices.

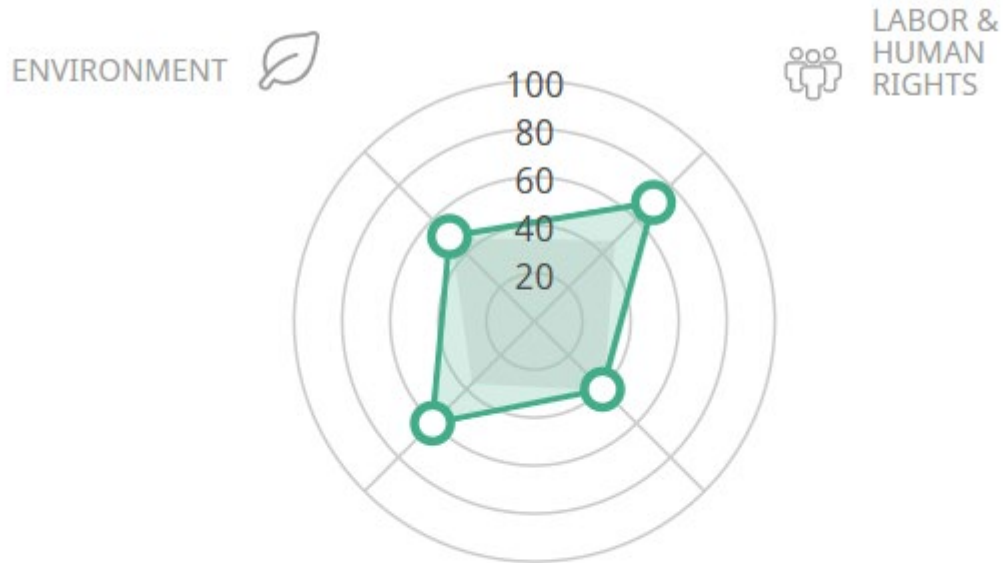
The EcoVadis methodology framework assesses companies' policies and actions as well as their published reporting related to the environment, labor and human rights, ethics and sustainable procurement.

An EcoVadis` team of international sustainability experts analyze and crosscheck companies` data (supporting documents, 360° Watch Findings, etc.) in order to create reliable ratings, taking into account each company`s industry, size and geographic location.



07 CORPORATE SOCIAL RESPONSIBILITY

Sustainable Development



ENVIRONMENT

LABOR & HUMAN RIGHTS

SUSTAINABLE PROCUREMENT

ETHICS

○ FUJIAN KUNCAI MATERIAL TECHNOLOGY CO LTD (GROUP) score

● All companies rated by EcoVadis in this industry



HIGHLIGHTS

- In the top 22 % of companies rated by EcoVadis*
- In the top 8 % for Labor & Human Rights*
- In the top 8 % for Sustainable Procurement*

*in the relevant industry

07 CORPORATE SOCIAL RESPONSIBILITY

External Partners



- Member of RMI since 2015
- Partnered with TdH since 2016
- Member of EcoVadis since 2014
- Member of COSMOS since 2018
- External Auditor EY
- External Auditor Bureau Veritas
- External Auditor SGS
- External Auditor ERM



Terre des Hommes Activity Focus

20 Child Friendly Villages

- Programme started in 2016
- Funded by Kuncai
- Implemented together with KSCF



Child Protection in 32 Villages

- Programme started 2018
- Funded by Kuncai & RVO fund
- Implemented together with RJSS, BKS, and the Jago Foundation
- Based on concept of child friendly villages 'plus' with additional focus on advocacy, partnerships with local government, and alternative livelihood



Terre des Hommes Activities



Kuncai partners with Terre des Hommes and has to date donated 500,000 euros to help-resolve the issue of child labor and improve working conditions in India

07 CORPORATE SOCIAL RESPONSIBILITY



Local Welfare Activities



Donated USD 17,500
to employees in need



Founded Wenzhou Jiacheng
Education Foundation and
contributed USD 300,000



Donated USD 730,000 to
Fuqing Education
Foundation

07 CORPORATE SOCIAL RESPONSIBILITY



Company Policies



07 CORPORATE SOCIAL RESPONSIBILITY

Energy Consumption



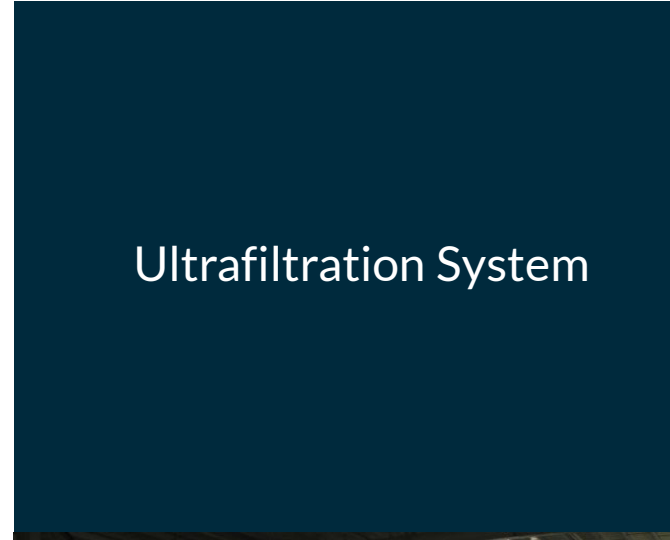
15 automated, environmentally friendly, dust-free production lines

Own waste water treatment and monitoring system

Waste Management



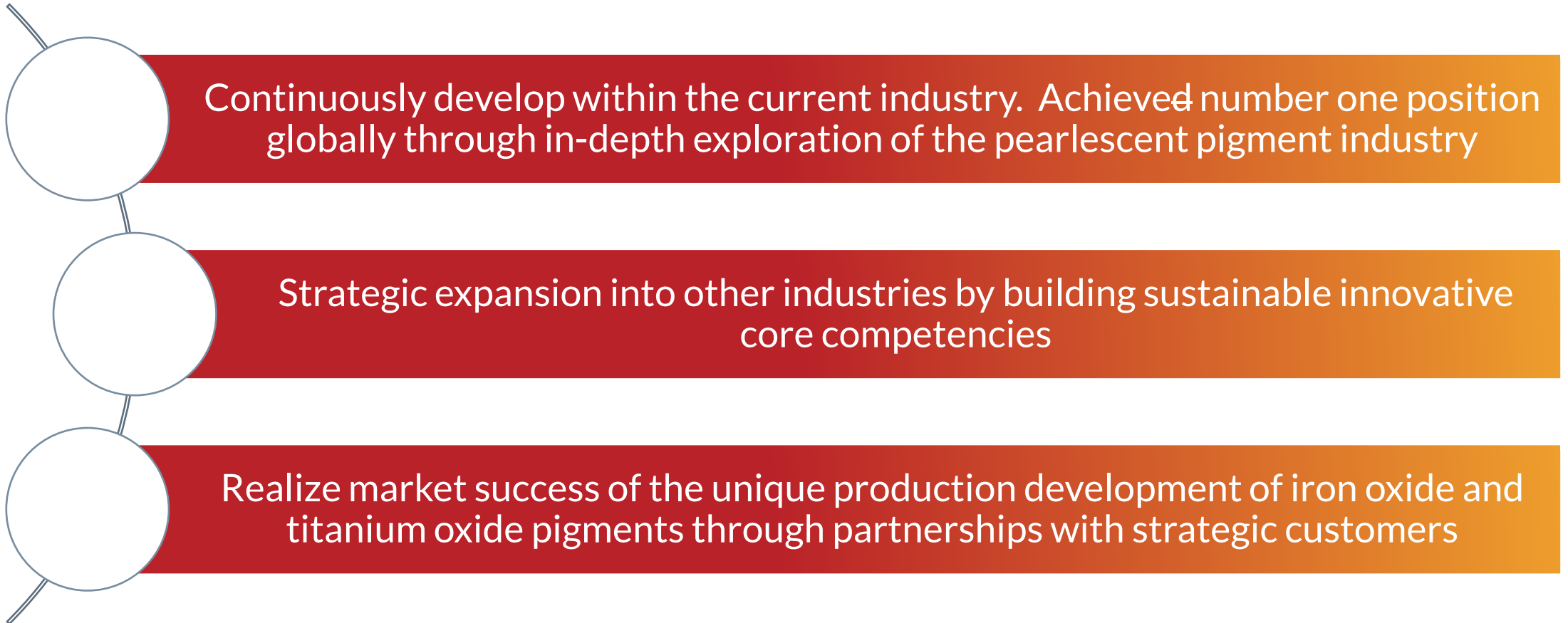
Charcoal & Quartz Sand
Filtering System



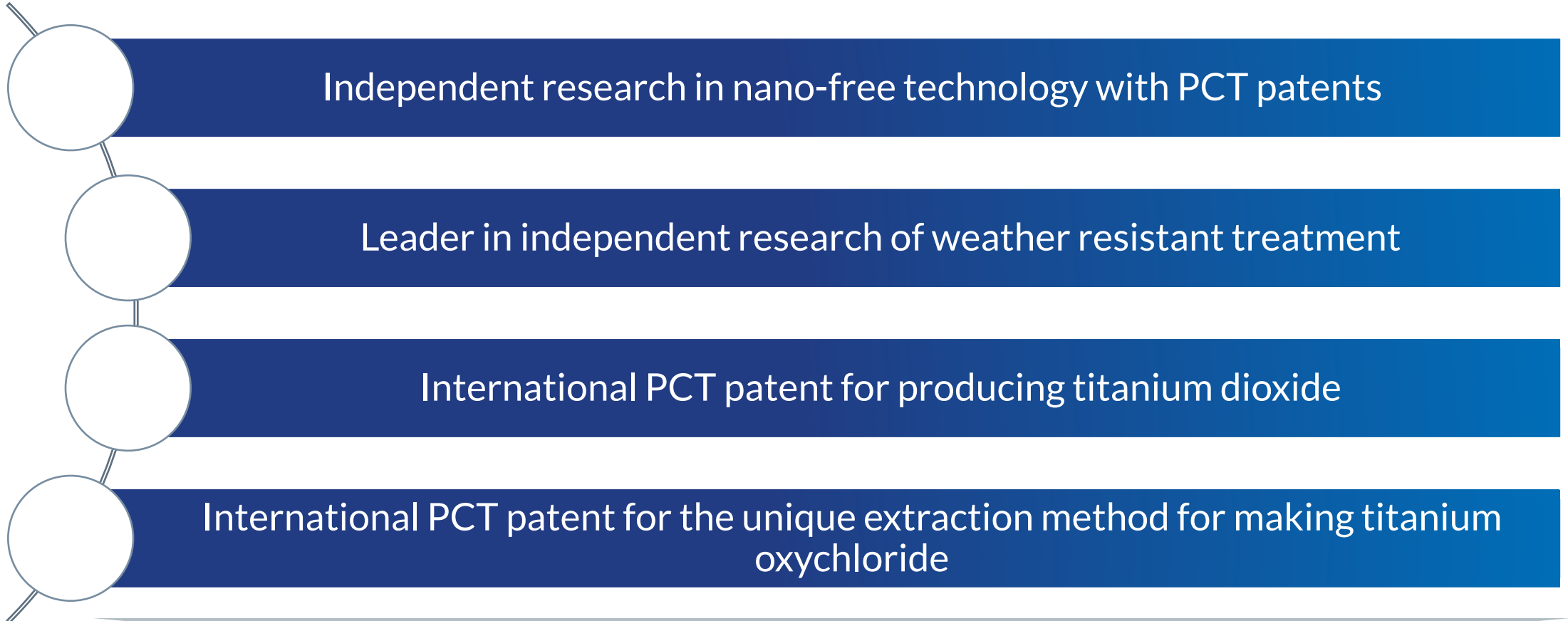
Reverse Osmosis

STRATEGY & VISION

Strategic Development Targets

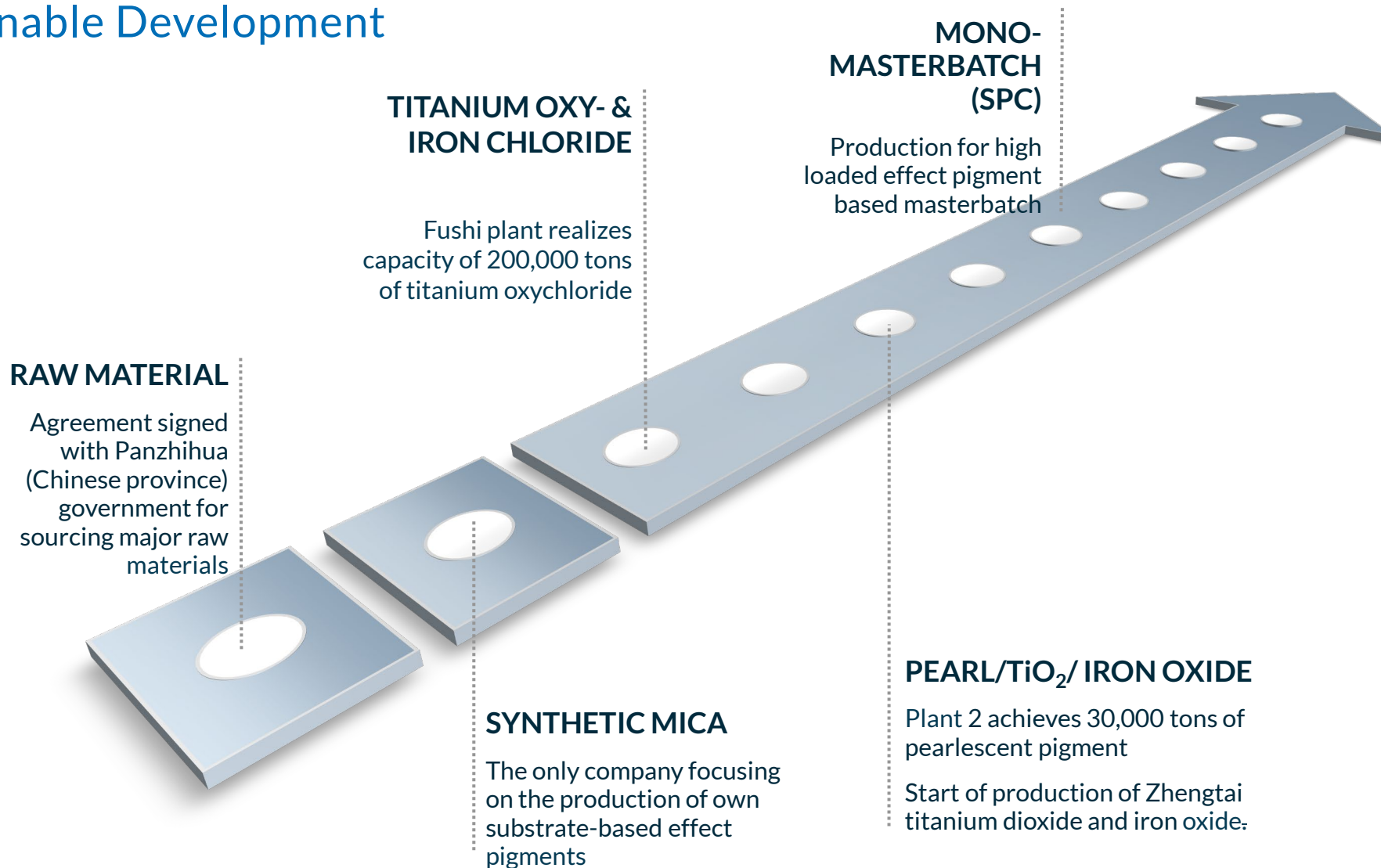


Patent Strategy Key Achievements



Kuncai consolidates its status as a global, pioneering technology leader

Sustainable Development



08 STRATEGY & VISION

Five-Year-Plan 2019 -2023

Plant 1 is scheduled to reach production of 20,000 t/year of synthetic mica



Plant 2 is scheduled to reach production of 50,000 t/year of pearlescent pigments



Zhengtai plant is scheduled to reach production of 500,000 t/year of titanium dioxide and 500,000 t/year of iron oxide



Ziniu plastics corporation will realize 20,000 t/year of SPCs





WE BRING
COLOR TO
THE WORLD

THANK YOU