

# KTZ® Pearlescent Pigments

KTZ® Pearlescent Pigments are Special Effect Pigments based on Mica substrate coated with Titanium Dioxide and/or Iron Oxide to create pearlescent effects, Interference colors and angle related color travel. They offer great versatility in a broad range of cosmetic applications, to impart color and visual effects to lip, face, eye and nail products as well as toiletries, body makeup and sunscreens.

Kobo offers a large selection of KTZ® Pearlescent Pigments: White, Interference, Two-Tone, Spectral Majesty, Earth Tone, Multicolor and Perpetual pigments are available in a variety of invigorating hues and particle size distributions. Depth, dimension, sensual sheen and captivating sparkle are but several of the product enhancing effects possible with the use of KTZ® Pearlescent Pigments.

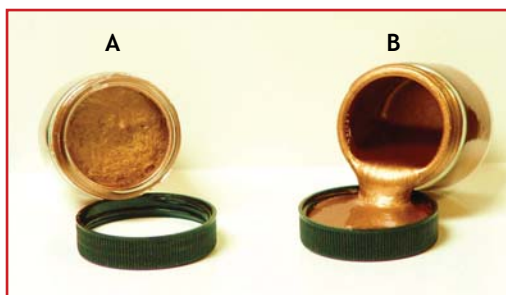
## Surface Treated KTZ® Pearlescent Pigments

Kobo offers various surface treatments on Pearlescent Pigments. These surface treatments enhance the dispersibility of the pearl while rendering it either more hydrophobic, hydrophilic, lipophobic or lipophilic, depending on the treatment.

They offer the following properties in finished products:

- Higher level of Pearlescent Pigments content in formula, better pressability in powders
- Improved spreading, gloss, adhesion and feel on the skin
- Increased deposition of the finished product on the skin

Treated Pearlescent Pigments can be used in many applications including but not limited to: Eyeshadows, Face Powders, Lipsticks, Foundations, Corrective Skin Products, Sunscreens, Body Lotions, Face Lotions, Body Washes, Shampoos and Conditioners. Treatments include ITT (Titanate) and 11S (Silane).



*Dispersions in Cyclopentasiloxane*  
A/ Non-treated KTZ® BRONZE - 30% Dispersion  
B/ Treated KTZ® BRONZE - 50% Dispersion



## KOBO

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# KTZ® Pearlescent Pigments

## White Pearlescent Pigments

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® FINE WHITE	White	Mica, TiO <sub>2</sub>	5 - 25 µm	Excellent coverage, smooth, transparent, supple
KTZ® SUBLIME WHITE	White	Mica, TiO <sub>2</sub>	5 - 60 µm	Good Coverage, brilliant, smooth, supple
KTZ® SUPERB SILVER	White	Mica, TiO <sub>2</sub>	17 - 25 µm	Very brilliant transparent effect
KTZ® DIAMOND BRIGHT	White	Mica, TiO <sub>2</sub>	6 - 48 µm	Very good coverage, brilliant, opalescent, vibrant effect
KTZ® SLEEK WHITE	White	Mica, TiO <sub>2</sub>	6 - 48 µm	Very good coverage, brilliant, opalescent, vibrant effect
KTZ® CELESTIAL LUSTER	White	Mica, TiO <sub>2</sub>	10 - 60 µm	Very good coverage, brilliant, transparent, vibrant effect
KTZ® CLASSIC WHITE	White	Mica, TiO <sub>2</sub>	10 - 60 µm	Very good coverage, brilliant, transparent, vibrant effect
KTZ® GLAM FLAKE	White	Mica, TiO <sub>2</sub>	58 - 72 µm	Very rich sparkling white pearl
KTZ® STELLAR WHITE	White	Mica, TiO <sub>2</sub>	20 - 80 µm	Good coverage, great luster, perfect multipurpose pearl
KTZ® SHIMMER WHITE	White	Mica, TiO <sub>2</sub>	10 - 100 µm	Intermediate coverage, glistening, transparent
KTZ® ULTRA SHIMMER	White	Mica, TiO <sub>2</sub>	40 - 200 µm	Low coverage, glistening, transparent

## Interval & Interfine Interference Colors

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® INTERVAL GOLD	Gold	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® INTERVAL RED	Red	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® INTERVAL VIOLET	Violet	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® INTERVAL BLUE	Blue	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® INTERVAL GREEN	Green	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® INTERFINE GOLD	Gold	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE ORANGE	Orange	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE RED	Red	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE VIOLET	Violet	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE BLUE	Blue	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE GREEN	Green	Mica, TiO <sub>2</sub>	5 - 25 µm	Rich iridescent color play, satin luster & superior coverage
KTZ® COLORWAVE GOLD	Gold	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® COLORWAVE RED	Red	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage
KTZ® COLORWAVE BLUE	Blue	Mica, TiO <sub>2</sub>	10 - 60 µm	Rich iridescent color play, good luster & coverage

## Interference Colors with Sparkle Effect

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® SHIMMER RED	Red	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER ORANGE	Orange	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER GOLD	Gold	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER VIOLET	Violet	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER BLUE	Blue	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER GREEN	Green	Mica, TiO <sub>2</sub>	16 - 128 µm	Rich, velvety color play with sparkle luster and low coverage

## Multicolor Interference Pigments

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® BOLERO CROMATICO	Red	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® FOLIAGE FLUTTER	Violet	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® JAIPUR SUNSET	Blue	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® WINTERVELD	Aqua	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® XIAN VISTAS	Green	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage

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## Earth Tone Colors

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® SUNBURST GOLD	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 100 µm	Sparkling, intense Gold with low coverage
KTZ® VIBRANT GOLD	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	20 - 80 µm	Striking, energetic Gold with good coverage
KTZ® GOLD LAMÉ	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, deep Gold, excellent luster and coverage
KTZ® BRONZE	Bronze	Mica, Fe <sub>2</sub> O <sub>3</sub>	20 - 80 µm	Sharp Bronze color, good luster and coverage
KTZ® BRONZE D'OR	Bronze	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Bronze, brilliant luster and superb coverage
KTZ® CITRINE	Orange-Yellow	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Saffron color
KTZ® COPPER	Copper	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Copper, brilliant luster and superb coverage
KTZ® ROUSSILLON	Rouge	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Rouge, brilliant luster and superb coverage
KTZ® ROUSSILLON SHIMMER	Red-Yellow	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 125 µm	Rich velvety color play, with sparkle luster and good coverage
KTZ® UMBER	Copper	Mica, Fe <sub>2</sub> O <sub>3</sub>	20 - 80 µm	Full colored Copper, good luster and coverage
KTZ® CELANDON BLUE	Blue	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich Blue, with Blue reflection
KTZ® CELANDON GOLD	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich Gold, with Gold reflection
KTZ® CELANDON RED	Red	Mica, TiO <sub>2</sub> , Carmine	10 - 60 µm	Rich Red, with Red reflection
KTZ® CELANDON SHIMMER BLUE	Blue	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	20 - 80 µm	Rich Blue, with sparkle luster and low coverage
KTZ® CELANDON SHIMMER RED	Red	Mica, TiO <sub>2</sub> , Carmine	20 - 80 µm	Rich Red, with sparkle luster and low coverage
KTZ® MISTERIOSO BLUE	Blue	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Blue with a Gray/Black shadow effect
KTZ® MISTERIOSO BRONZE	Bronze	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Bronze with a Gray/Black shadow effect
KTZ® MISTERIOSO CELANDON RED	Red	Mica, TiO <sub>2</sub> , Carmine, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich Red, with a Gray/Black shadow effect
KTZ® MISTERIOSO COPPER	Copper	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Copper with a Gray/Black shadow effect
KTZ® MISTERIOSO GOLD	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Gold with a Gray/Black shadow effect
KTZ® MISTERIOSO GREEN	Green	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Green with a Gray/Black shadow effect
KTZ® MISTERIOSO MOSS	Green	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich, velvety Yellow Green with a Gray/Black shadow effect
KTZ® MISTERIOSO RED	Red	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Red with a Gray/Black shadow effect
KTZ® MISTERIOSO ROSE	Pink	Mica, TiO <sub>2</sub> , Carmine, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Pink with a Gray/Black shadow effect
KTZ® MISTERIOSO ROUSSILLON	Rouge	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Rouge with a Gray/Black shadow effect
KTZ® MISTERIOSO VIOLET	Violet	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich, velvety Violet with a Gray/Black shadow effect

## Two-Tone

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® COLORSET BlueRed	Red	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich Blue, with Red reflection
KTZ® COLORSET RedBlue	Blue	Mica, TiO <sub>2</sub> , Carmine	10 - 60 µm	Rich Red, with Blue reflection
KTZ® COLORSET BlueGold	Gold	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich Blue, with Gold reflection
KTZ® COLORSET RedGold	Gold	Mica, TiO <sub>2</sub> , Carmine	10 - 60 µm	Rich Red, with Gold reflection
KTZ® COLORSET BlueGreen	Green	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich Blue, with Green reflection

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## Spectral Majesty Subtle Color Interplay

Product Name	Reflection Color	Composition	Particle Size	Product Properties
KTZ® PEACH	Yellow/Orange	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® CANTALOUPE	Orange	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® TANGERINE	Orange/Red	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Large interplay of colors, good luster & coverage
KTZ® ARUBAN CORAL	Tan	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60 µm	Rich velvety, deep caribbean Tan
KTZ® ROSE	White	Mica, TiO <sub>2</sub> , Carmine	10 - 60 µm	Very good coverage, brilliant Pink color, vibrant effect
KTZ® MOSS	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Ferric Ferrocyanide	10 - 60 µm	Rich, velvety Green/Gold color, excellent luster and coverage
KTZ® SLATE	Teal	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Ferric Ferrocyanide	10 - 60 µm	Interplay of colors, good luster & coverage
KTZ® LAVENDER	Red	Mica, TiO <sub>2</sub> , Carmine, Ferric Ferrocyanide	10 - 60 µm	Rich Lavender, with Red reflection
KTZ® ROYAL BLUE	Blue	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60 µm	Deep Blue, with Blue reflection
<b>New</b> KTZ® CRIMSON	Light Red	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Carmine	10 - 60 µm	Bluish Red, with light Red reflection

## Long Lasting Body Bronzer

### Formula KPW-003E

#### Part 1

● <b>BGBO-TTB2</b> - Kobo Products: Iron Oxides (C.I. 77499) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	0.05%
● <b>BGRO-TTB2</b> - Kobo Products: Iron Oxides (C.I. 77491) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	0.10%
● <b>BGYO-TTB2</b> - Kobo Products: Iron Oxides (C.I. 77492) (And) Isopropyl Titanium Triisostearate (And) Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone	0.20%
● <b>KoboMica L-27</b> - Kobo Products: Mica	18.15%
● <b>MICA POWDER Y-3000</b> - Yamaguchi/Kobo Products: Mica	15.00%
● <b>Silky Talc FK-3005</b> - Yamaguchi/Kobo Products: Talc	13.50%
● <b>SP-10</b> - Toray/Kobo Products: Nylon-12	5.00%
● <b>BPA-500</b> - Kobo Products: Polymethyl Methacrylate	5.00%
● <b>Methyl Paraben NF</b> - International Sourcing: Methylparaben	0.15%
● <b>Propyl Paraben NF</b> - International Sourcing: Propylparaben	0.10%

#### Part 2

● Vitamin E Acetate - Roche: <i>dl-alpha Tocopherol Acetate</i>	1.00%
● <b>ELEMENT14 PDMS 50</b> - Momentive/Kobo Products: Dimethicone	4.00%

#### Part 3

● <b>KTZ® BRONZE D'OR</b> - Kobo Products: Mica (And) Iron Oxides (C.I. 77491)	10.00%
● <b>KTZ® WINTERVELD</b> - Kobo Products: Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77491)	1.25%
● <b>KTZ® XIAN VISTAS</b> - Kobo Products: Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77491)	1.25%

● <b>KTZ® ARUBAN CORAL</b> - Kobo Products: Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	1.25%
● <b>KTZ® BRONZE</b> - Kobo Products: Mica (And) Iron Oxides (C.I. 77491)	10.00%
● <b>KTZ® COPPER</b> - Kobo Products: Mica (And) Iron Oxides (C.I. 77491)	10.00%
● <b>KTZ® VIBRANT GOLD</b> - Kobo Products: Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491)	2.00%
● <b>KTZ® ROUSSILLON</b> - Kobo Products: Mica (And) Iron Oxides (C.I. 77491)	2.00%

#### Manufacturing Procedure

1. Weigh and add Part 1 raw materials to the Waring Blender under a fume hood. Mix for 2-3 minutes.
2. Pre-mix Part 2.
3. Add Part 2 slowly to Part 1 under a fume hood. Mix for 2 minutes.
3. Add the KTZ® Pearls and mix for 1-2 minutes.

#### Description

A blend of soft Miccas provides superior application when combined with a silky, smooth Talc. A surface treatment of Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone on the pigments provides compatibility with the binder and extends the wear. This background is then combined with KTZ® Pearlescent Pigments, some having special effects, to deliver a multicolor glow to liven the skin tone. A combination of Microspheres, SP-10 and BPA-500, helps to provide soft focus. Skin benefits are delivered via a combination of Silicone and Vitamin E.

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