

# KTZ® Pearlescent Pigments



**KTZ® Pearlescent Pigments** are Special Effect Pigments based on natural mica, synthetic mica or borosilicate substrate coated with Titanium Dioxide, Iron Oxide, Ferrocyanide or Carmine, either as a single coating or in combination. These coatings create pearlescent effects, interference colors or angle-related color travel depending on their composition and thickness.

Kobo offers a large selection of **KTZ® Pearlescent Pigments**:

**White:** Pearlescent pigments composed of mica and titanium dioxide, available in different sizes to provide coverage or sparkling effect.

**Interference:** Titanium dioxide-coated mica, available in several colors (gold to green) and sizes.

**Multicolor:** Iron oxide added to interference colors to provide a large interplay of colors.

**Two-Tone:** Ferrocyanide or carmine provide blue or red pigments with red, gold or green reflections.

**Earth Tone:** Iron oxide, used as single coating or in combination with titanium dioxide, give rich gold, copper or bronze colors; ferrocyanide or carmine can be added to obtain rich colors and shadow effect.

**Spectral Majesty:** Large range with subtle color interplay.

**KTZ® Pearlescent Pigments** 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. Depth, dimension, sensual sheen and captivating sparkle are but several of the product enhancing effects possible with the use of **KTZ® Pearlescent Pigments**.

**KTZ® Pearlescent Pigments** are also offered with various surface treatments, including titanate (*INCI Name: Isopropyl*

*Titanium Triisostearate*) and silane (*INCI Name: Triethoxycaprylylsilane*). These treatments render the pigments more hydrophobic and lipophilic, improving their compatibility with oil phases. Higher levels of pigment can be used in formula, with better pressability in powders and less pressure to apply for better pay off. Improved spreading, gloss, adhesion and skin feel are also some of the advantages obtained with the use of Surface Treated **KTZ® Pearlescent Pigments**.

## Mica

Product Name	Reflection Color	Composition	Particle Size (µm)	Product Properties
<b>White Pearlescent Pigments</b>				
KTZ® FINE WHITE	White	Mica, TiO <sub>2</sub>	5 - 25	Excellent coverage, smooth, transparent, supple
KTZ® SUBLIME WHITE			5 - 60	Good Coverage, brilliant, smooth, supple
KTZ® SLEEK WHITE			6 - 48	Very good coverage, brilliant, opalescent, vibrant effect
KTZ® SUPERB SILVER				
KTZ® DIAMOND BRIGHT			10 - 60	Very good coverage, brilliant, opalescent, vibrant effect
KTZ® CELESTIAL LUSTER				Very good coverage, brilliant, transparent, vibrant effect
KTZ® CLASSIC WHITE				
KTZ® STELLAR WHITE			20 - 80	Good coverage, great luster, perfect multipurpose pearl
KTZ® GLAM FLAKE			10 - 125	Very rich sparkling white pearl
KTZ® SHIMMER WHITE				Intermediate coverage, glistening, transparent
*KTZ® ULTRA SHIMMER	40 - 200	Low coverage, glistening, transparent		
<b>Interference Colors</b>				
<small>New</small> KTZ® EXTRAFINE GOLD	Gold	TiO <sub>2</sub> , Mica	1 - 15	Rich iridescent color play, satin luster & highest coverage
<small>New</small> KTZ® EXTRAFINE RED	Red			
<small>New</small> KTZ® EXTRAFINE BLUE	Blue			



KTZ® STELLAR WHITE



KTZ® GLAM FLAKE



KTZ® EXTRAFINE GOLD

\* Not recommended for eye area due to large particle size

**KOBO**

USA - New Jersey  
+1 (908) 757-0033

FRANCE - Labege  
+33 (0)5-62-88-77-40

BRASIL - São Paulo  
+55 (11) 5062-0634

Product Name	Reflection Color	Composition	Particle Size (µm)	Product Properties
<b>Interference Colors</b>				
KTZ® INTERFINE GOLD	Gold	Mica, TiO <sub>2</sub>	5 - 25	Rich iridescent color play, satin luster & superior coverage
KTZ® INTERFINE ORANGE	Orange			
KTZ® INTERFINE RED	Red			
KTZ® INTERFINE VIOLET	Violet			
KTZ® INTERFINE BLUE	Blue			
KTZ® INTERFINE GREEN	Green			
KTZ® INTERVAL GOLD	Gold	Mica, TiO <sub>2</sub>	10 - 60	Rich iridescent color play, good luster & coverage
KTZ® INTERVAL RED	Red			
KTZ® INTERVAL VIOLET	Violet			
KTZ® INTERVAL BLUE	Blue			
KTZ® INTERVAL GREEN	Green			
KTZ® COLORWAVE GOLD	Gold	Mica, TiO <sub>2</sub>	10 - 60	Rich iridescent color play, good luster & coverage
KTZ® COLORWAVE RED	Red			
KTZ® COLORWAVE BLUE	Blue			
KTZ® COLORWAVE GREEN	Green			
<b>Interference Colors with Sparkle Effect</b>				
KTZ® SHIMMER GOLD	Gold	Mica, TiO <sub>2</sub>	10 - 125	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER ORANGE	Orange			
KTZ® SHIMMER RED	Red			
KTZ® SHIMMER VIOLET	Violet			
KTZ® SHIMMER BLUE	Blue			
KTZ® SHIMMER GREEN	Green			
<b>Multicolor Interference Pigments</b>				
KTZ® BOLERO CROMATICO	Red	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Large interplay of colors, good luster & coverage
KTZ® FOLIAGE FLUTTER	Violet			
KTZ® JAIPUR SUNSET	Blue			
KTZ® WINTERVELD	Aqua			
KTZ® XIAN VISTAS	Green			
<b>Two-Tone</b>				
KTZ® COLORSET RedGold	Gold	Mica, TiO <sub>2</sub> , Carminé	10 - 60	Rich Red, with Gold reflection
KTZ® COLORSET RedBlue	Blue			Rich Red, with Blue reflection
KTZ® COLORSET BlueGold	Gold	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide		Rich Blue, with Gold reflection
KTZ® COLORSET BlueRed	Red			Rich Blue, with Red reflection
KTZ® COLORSET BlueGreen	Green			Rich Blue, with Green reflection
<b>Earth Tone Colors</b>				
<b>New</b> KTZ® EXTRAFINE SUNGLOW	Orange	Mica, Fe <sub>2</sub> O <sub>3</sub>	1 - 15	Rich iridescent color play, satin luster & highest coverage
KTZ® GOLD LAMÉ		Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Rich, deep Gold, excellent luster and coverage
KTZ® VIBRANT GOLD	Gold		20 - 80	Striking, energetic Gold with good coverage
KTZ® SUNBURST GOLD			20 - 200	Sparkling, intense Gold with low coverage
KTZ® BRONZE		Mica, Fe <sub>2</sub> O <sub>3</sub>	20 - 80	Sharp Bronze color, good luster and coverage
KTZ® BRONZE D OR	Bronze			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	Rich, velvety Saffron color
KTZ® COPPER				Rich, velvety Copper, brilliant luster and superb coverage
KTZ® COPPER SHIMMER	Copper			10 - 125
KTZ® UMBER		Mica, Fe <sub>2</sub> O <sub>3</sub>	20 - 80	Full colored Copper, good luster and coverage
KTZ® ROUSSILLON	Rouge		10 - 60	Rich, velvety Rouge, brilliant luster and superb coverage
KTZ® ROUSSILLON SHIMMER	Red-Yellow		10 - 125	Rich velvety color play, with sparkle luster and good coverage
KTZ® BLUE CLARET	Bluish Red		10 - 60	Rich, velvety Bluish Red, brilliant luster and superb coverage



KTZ® INTERFINE GOLD



KTZ® INTERVAL VIOLET



KTZ® INTERVAL BLUE



KTZ® SHIMMER GREEN



KTZ® BOLERO CROMATICO



KTZ® COLORSET BlueGreen

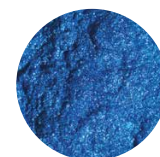


KTZ® SUNBURST GOLD



KTZ® ROUSSILLON SHIMMER

Product Name	Reflection Color	Composition	Particle Size (µm)	Product Properties	
<b>Earth Tone Colors</b>					
KTZ® CELANDON GOLD	Gold	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Rich Gold, with Gold reflection	
KTZ® CELANDON RED	Red	Mica, TiO <sub>2</sub> , Carmine		Rich Red, with Red reflection	
KTZ® CELANDON SHIMMER RED	Red		Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 125	Rich Red, with sparkle luster and low coverage
KTZ® CELANDON BLUE	Blue	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide		10 - 60	Rich Blue, with Blue reflection
KTZ® CELANDON SHIMMER BLUE	Blue		10 - 125	Rich Blue, with sparkle luster and low coverage	
KTZ® MISTERIOSO PEWTER	Gray	Mica, TiO <sub>2</sub> , Fe <sub>3</sub> O <sub>4</sub>	10 - 60	Rich, velvety Gray with a Gray/Black shadow effect	
KTZ® MISTERIOSO GOLD	Gold			Rich, velvety Gold with a Gray/Black shadow effect	
KTZ® MISTERIOSO RED	Red			Rich, velvety Red with a Gray/Black shadow effect	
KTZ® MISTERIOSO VIOLET	Violet			Rich, velvety Violet with a Gray/Black shadow effect	
KTZ® MISTERIOSO BLUE	Blue			Rich, velvety Blue with a Gray/Black shadow effect	
KTZ® MISTERIOSO GREEN	Green			Rich, velvety Green with a Gray/Black shadow effect	
KTZ® MISTERIOSO BRONZE	Bronze			Rich, velvety Bronze with a Gray/Black shadow effect	
KTZ® MISTERIOSO COPPER	Copper			Rich, velvety Copper with a Gray/Black shadow effect	
KTZ® MISTERIOSO ROUSSILLON	Rouge			Rich, velvety Rouge with a Gray/Black shadow effect	
KTZ® MISTERIOSO ROSE	Pink			Mica, TiO <sub>2</sub> , Fe <sub>3</sub> O <sub>4</sub> , Carmine	Rich, velvety Pink with a Gray/Black shadow effect
KTZ® MISTERIOSO CELANDON RED	Red				Rich Red, with a Gray/Black shadow effect
KTZ® MISTERIOSO MOSS	Green			Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Fe <sub>3</sub> O <sub>4</sub> , Ferric Ferrocyanide	Rich, velvety Yellow Green with a Gray/Black shadow effect
<b>New</b> KTZ® EBONY	Black	Mica, Fe <sub>3</sub> O <sub>4</sub>	10 - 60	Silky, Smooth, Good Coverage, Sheen	
<b>Spectral Majesty Subtle Color Interplay</b>					
KTZ® ARUBAN CORAL	Tan	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Rich velvety, deep caribbean Tan	
KTZ® PEACH	Yellow/Orange			Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Carmine	Large interplay of colors, good luster & coverage
KTZ® TANGERINE	Orange/Red				Golden color with slight hint of Orange, good coverage
KTZ® CANTALOUPE	Orange	Mica, TiO <sub>2</sub> , Carmine	10 - 60	Pinkish Red color with good coverage	
KTZ® APRICOT	Gold			Very good coverage, brilliant Pink color, vibrant effect	
KTZ® SALMON	Red	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60	Bluish Red, with light Red reflection	
KTZ® ROSE	White			Rich Lavender, with Red reflection	
KTZ® CRIMSON	Light Red	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60	Deep Blue, with Blue reflection	
KTZ® LAVENDER	Red			Interplay of colors, good luster & coverage	
KTZ® ROYAL BLUE	Blue	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60	Rich, velvety Green/Gold color, excellent luster and coverage	
KTZ® SLATE	Teal				
KTZ® MOSS	Gold				



KTZ® CELANDON SHIMMER BLUE



KTZ® CELANDON SHIMMER RED



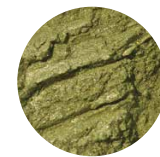
KTZ® MISTERIOSO COPPER



KTZ® MISTERIOSO GREEN



KTZ® PEACH



KTZ® MOSS



KTZ® SM INTERVAL BLUE



KTZ® SM CINNABAR

## Synthetic Mica

White				
<b>New</b> KTZ® SM GLISTEN	White/Silver	Synthetic Fluorophlogopite, TiO <sub>2</sub>	10 - 60	Metallic White Silver Luster and good coverage
<b>Interference Colors</b>				
<b>New</b> KTZ® SM INTERVAL GOLD	Light Gold	Synthetic Fluorophlogopite, TiO <sub>2</sub>	10 - 60	10K Gold appearance, elegant Gold reflection
<b>New</b> KTZ® SM INTERVAL RED	Orange/Pink			Bright peachy reflection, good coverage
<b>New</b> KTZ® SM INTERVAL VIOLET	Violet/Lavender			Neon Violet reflection with pastel undertone
<b>New</b> KTZ® SM INTERVAL BLUE	Blue/Violet			Sheer, light Blue reflection
<b>New</b> KTZ® SM INTERVAL GREEN	Green/Gold			Metallic rich coverage, greenish Gold
<b>Spectral Majesty</b>				
<b>New</b> KTZ® SM NOBLE GOLD	Deep Yellow	Synthetic Fluorophlogopite, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>		Precious High coverage Yellow Gold
<b>New</b> KTZ® SM BRASSY BRONZE	Clean Bronze	Synthetic Fluorophlogopite, Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Liquid Bronze Metal look
<b>New</b> KTZ® SM BRASSY COPPER	Clean Copper			Metallic Copper, intense coverage
<b>New</b> KTZ® SM CINNABAR	Red/Orange			Intense Metallic Russet Red

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# Borosilicate

Product Name	Reflection Color	Composition	Particle Size (µm)	Product Properties
White Pearlescent Pigments				
<b>New</b> KTZ® G QUARTZ	White	Calcium Sodium Borosilicate, TiO <sub>2</sub>	20 - 60	Bright Silver with Steel Undertone
Interference Colors				
<b>New</b> KTZ® G INTERVAL GOLD	Gold	Calcium Sodium Borosilicate, TiO <sub>2</sub>	20 - 60	Shiny Gold with Silver Undertone
<b>New</b> KTZ® G INTERVAL RED	Red			Bright Ruby Red
<b>New</b> KTZ® G INTERVAL VIOLET	Violet			Bright Violet with Light Green Undertone
<b>New</b> KTZ® G INTERVAL BLUE	Blue			Bright Blue with Light Yellow Undertone
<b>New</b> KTZ® G INTERVAL GREEN	Green			Light Green with Pink Undertone

TiO<sub>2</sub> - Titanium Dioxide    Fe<sub>2</sub>O<sub>3</sub> - Red Iron Oxide    Fe<sub>3</sub>O<sub>4</sub> - Black Iron Oxide



KTZ® G INTERVAL GREEN



KTZ® G INTERVAL VIOLET



KEY-089B

## Iridescent Rose Eyeshadow with KTZ® SM CINNABAR

### Part 1

- SERICITE GMS-4C - Kobo Products: *Mica* 38.89%
- TALC N-12 - Kobo Products: *Talc (And) Isopropyl Titanium Triisostearate* 24.00%
- MSS-500/20N - Kobo Products: *Silica* 3.00%
- Methyl Paraben NF - International Sourcing: *Methylparaben* 0.15%
- Propyl Paraben NF - International Sourcing: *Propylparaben* 0.10%

### Part 2

- ELEMENT14 PDMS 100 - Momentive: *Dimethicone* 3.37%
- Xiameter® PMX-200 Silicone Fluid 1000 CS - Dow Corning: *Dimethicone* 3.37%
- Xiameter® PMX-200 Silicone Fluid 20 CS - Dow Corning: *Dimethicone* 3.36%

### Part 3

- KTZ® SM CINNABAR - Kobo Products: *Synthetic Fluorophlogopite (And) Iron Oxides (CI 77491)* 23.76%

### Manufacturing Procedure

1. In blender micropulverize Part 1.
2. In a side beaker, add Part 2 and mix until homogeneous.
3. Slowly add Part 2 to Part 1 in blender and mix until fully uniform.
4. Add Part 3 to blender and mix until uniform.
5. Press at 500psi.

### Description

This pressed eyeshadow features KTZ® SM CINNABAR which gives a unique shimmery red color to the formula. Kobo's Isopropyl Titanium Triisostearate (ITT) treated Talc provides good skin affinity, a creamy feel and helps improve compressibility. MSS-500/20N is a Silica Microsphere that helps with payoff and provides a nice feel upon application. SERICITE GMS-4C is a creamy Mica that helps the formula glide onto the lid and offers a subtle sheen.



KMU-025

## Highlighting Stick

### Part 1

- COSMOL™ 525 - Ikeda: *Neopentyl Glycol Diethylhexanoate* 8.90%
- Performalene PL Polyethylene - New Phase Technologies: *Ethene Homopolymer* 5.00%
- White Ceresine Wax - Strahl & Pitsch: *Ceresine* 3.00%
- Ozokerite Wax White SP 1020P - Strahl & Pitsch: *Ozokerite* 2.05%
- Dermofat 4919 - Alzo Chemical: *Stearic Acid* 0.40%

### Part 2

- Abil® EM 90 - Evonik: *Cetyl PEG/PPG-10/1 Dimethicone* 2.50%
- DC5225C - Dow Corning: *Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone* 0.50%

### Part 3

- DM-Fluid-5CS - Shin Etsu: *Dimethicone* 31.00%

### Part 4

- DM-Fluid-5CS - Shin Etsu: *Dimethicone* 1.00%
- Unisept DHA - Universal Preserv-A-Chem: *Dehydroacetic acid fg powder* 0.30%
- BHT Food Grade Crystal - Protameen: *BHT* 0.10%

### Part 5

- KTZ® CLASSIC WHITE - Kobo Products: *Mica (And) Titanium Dioxide* 6.00%
- MST-547 - Kobo Products: *Polymethylsilsesquioxane* 5.00%
- KTZ® BOLERO CROMATICO - Kobo Products: *Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)* 3.60%
- CARESS® BN09 - Kobo Products: *Boron Nitride* 2.40%

- KTZ® ARUBAN CORAL - Kobo Products: *Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77491)* 0.80%

### Part 6

- Deionized Water - *Water* 25.93%
- Glycerin U.S.P. F.C.C. 96% - Ruger Chemical: *Glycerin* 1.00%
- Veegum Granules - R.T. Vanderbilt: *Magnesium Aluminum Silicate* 0.35%
- Natrosol® 250 HHR CS - Ashland: *Hydroxyethylcellulose* 0.17%

### Manufacturing Procedure

1. In main beaker, heat Part 1 to 90° C under prop mix.
2. Add Part 2 to Part 1 and continue prop mixing.
3. Add Part 3 to Parts 1 and 2 and continue prop mixing.
4. Pre-mix Part 4 add to main beaker.
5. Add Part 5 to main beaker and continue prop mixing until fully dispersed.
6. In a side beaker, pre-mix Natrosol®, Veegum granules and Glycerin. Add DI Water. Heat water phase to 80° C under prop mix.
7. Water phase - Add Part 6 to the main beaker @ 80° C. Prop mix the emulsion for 15 minutes.
8. Cool the batch to 75° C and pour into stick components.

### Description

This highlighting stick features MST-547, which enhances product payoff. CARESS® BN09 is used for superior softness and tactility, superb spreadability, excellent adherence, and good coverage. The combination of KTZ® ARUBAN CORAL, KTZ® BOLERO CROMATICO and KTZ® CLASSIC WHITE gives the formula a unique pearlescent effect.

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