

# KTZ® Pearlescent Pigments



**KTZ® Pearlescent Pigments** are Special Effect Pigments based on mica substrate (natural or synthetic) 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 lipophobic, 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**.

Product Name	Reflection Color	Composition	Particle Size (µm)	Product Properties
White Pearlescent Pigments				
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				
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				
*KTZ® ULTRA SHIMMER	40 - 200	Low coverage, glistening, transparent		



KTZ® STELLAR WHITE



KTZ® GLAM FLAKE

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

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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 RED	Red	Mica, TiO <sub>2</sub>	10 - 125	Rich, velvety color play with sparkle luster and low coverage
KTZ® SHIMMER ORANGE	Orange			
KTZ® SHIMMER GOLD	Gold			
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			
<b>New</b> KTZ® JAIPUR SUNSET	Blue			
KTZ® WINTERVELD	Aqua			
KTZ® XIAN VISTAS	Green			
<b>Two-Tone</b>				
KTZ® COLORSET BlueRed	Red	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide	10 - 60	Rich Blue, with Red reflection
KTZ® COLORSET RedBlue	Blue	Mica, TiO <sub>2</sub> , Carmine		Rich Red, with Blue reflection
KTZ® COLORSET BlueGold	Gold	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide		Rich Blue, with Gold reflection
KTZ® COLORSET RedGold		Mica, TiO <sub>2</sub> , Carmine		Rich Red, with Gold reflection
KTZ® COLORSET BlueGreen	Green	Mica, TiO <sub>2</sub> , Ferric Ferrocyanide		Rich Blue, with Green reflection
<b>Earth Tone Colors</b>				
KTZ® GOLD LAMÉ	Gold	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			20 - 80	Striking, energetic Gold with good coverage
KTZ® SUNBURST GOLD			20 - 200	Sparkling, intense Gold with low coverage
KTZ® BLUE CLARET	Bluish Red	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Rich, velvety Bluish Red, brilliant luster and superb coverage
KTZ® BRONZE	Bronze		20 - 80	Sharp Bronze color, good luster and coverage
KTZ® BRONZE D OR	Orange-Yellow	Mica, TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub>	10 - 60	Rich, velvety Bronze, brilliant luster and superb coverage
KTZ® CITRINE				Rich, velvety Saffron color
KTZ® COPPER				Rich, velvety Copper, brilliant luster and superb coverage
<b>New</b> KTZ® COPPER SHIMMER	Copper	Mica, Fe <sub>2</sub> O <sub>3</sub>	10 - 125	Rich, velvety Copper, sparkle luster and superb 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® UMBER	Copper		20 - 80	Full colored Copper, good luster and coverage



KTZ® INTERFINE GOLD



KTZ® INTERVAL VIOLET



KTZ® INTERVAL BLUE



KTZ® SHIMMER GREEN



KTZ® BOLERO CROMATICO



KTZ® COLORSET BlueGreen

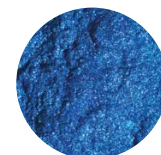


KTZ® SUNBURST GOLD



KTZ® ROUSSILLON SHIMMER

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



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



KLP-163

## Tango Red Lipstick with KTZ® SM CINNABAR

### Part 1

● CPF-3300@10cSt - Avantor/Kobo Products: <i>Phenyl Trimethicone</i>	18.85%
● Softisan® 645 - Sasol: <i>Bis-Diglyceryl Polyacryladipate-1</i>	7.65%
● NIKKOL DISM - Nikko Chemicals Co., Ltd. JPY: <i>Diisostearyl Malate</i>	6.55%
● SunBoost ATB™ - Kobo Products: <i>Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol</i>	5.00%
● PT1BM40R6B - Kobo Products: <i>Phenyl Trimethicone (And) Red 6 Lake (And) Silica (And) Isopropyl Titanium Triisostearate (And) Distearidimonium Hectorite (And) 1,2-Hexanediol (And) Caprylyl Glycol</i>	4.20%
● SALACOS® WO-6 - Ikeda: <i>Dipentaerythryl Tri-Polyhydroxystearate</i>	3.90%
● MAKIGREEN GF - Daito/Kobo Products: <i>Methyl Ricinoleate (And) Ethylcellulose</i>	3.40%
● COSMOL™ 168ARV - Ikeda: <i>Dipentaerythryl Hexahydroxystearate/Hexastearate/Hexarosinate</i>	3.30%
● Petroleum G-1958 - Ruger Chemical: <i>Petrolatum</i>	2.55%
● GERMABEN® II - Ashland: <i>Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben</i>	1.00%

### Part 2

● Ozokerite Wax White SP 1020P - Strahl & Pitsch: <i>Ozokerite</i>	6.80%
● KOBOGUARD® HRPC - Kobo Products: <i>Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol</i>	5.00%
● Lipowax D - Vantage: <i>Cetearyl Alcohol (And) Ceteareth-20</i>	3.40%
● Microcrystalline Wax SP-89 - Strahl & Pitsch: <i>Microcrystalline Wax</i>	3.40%

### Part 3

● KTZ® SM CINNABAR - Kobo Products: <i>Synthetic Fluorphlogopite (And) Iron Oxides (CI 77492)</i>	25.00%
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### Manufacturing Procedure

1. In main tank equipped with propeller agitation, combine Part 1 ingredients and heat to 80-85°C.
2. Premix Part 2 ingredients until homogeneous.
3. Continue mixing Part 1 for 20 minutes and add Part 2 to Part 1.
4. Slowly add Part 3 then begin cooling to 78-80°C.
5. Pour into molds at 78-80°C.

*Note: Keep continual mixing before and after each mold.*

### Description

Tango Red Metallic Lipstick Feature KTZ® SM CINNABAR to impart color for a metallic like visual effect. It also includes SunBoost ATB™, which is a proprietary blend of antioxidant, anti-irritant and anti-inflammatory agents. PT1BM dispersions are easy to use in a lipstick system offering good spreadability and a silky feel upon application. MAKIGREEN GF also gives a stong, yet flexible film while providing a long-lasting, silky feel. KOBOGUARD® HRPC provides water resistance and can improve wear of the formulation.



KMU-025

## Highlighting Stick

### Part 1

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

### Part 2

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

### Part 3

● DM-Fluid-5CS - Shin Etsu: <i>Dimethicone</i>	31.00%
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### Part 4

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

### Part 5

● KTZ® CLASSIC WHITE - Kobo Products: <i>Mica (And) Titanium Dioxide</i>	6.00%
● MST-547 - Kobo Products: <i>Polymethylsilsesquioxane</i>	5.00%
● KTZ® BOLERO CROMATICO - Kobo Products: <i>Titanium Dioxide (And) Mica (And) Iron Oxides (CI 77491)</i>	3.60%
● CARESS® BN09 - Kobo Products: <i>Boron Nitride</i>	2.40%
● KTZ® ARUBAN CORAL - Kobo Products: <i>Mica (And) Titanium Dioxide (And) Iron Oxides (CI 77491)</i>	0.80%

### Part 6

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

**KOBO****KTZ® Pearlescent Pigments**

www.koboproducts.com