

K-RAY[®] Effect Pigments

Global Program



Kobo offers a new range of **Effect pigments** that include the following series of products:

K-RAY[®]: Natural Mica Substrate
K-RAY[®] SM: Synthetic Fluorphlogopite Substrate
K-RAY[®] G: Calcium Borosilicate Substrate

All 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.

All K-RAY[®] Effect Pigments are available with various hydrophobic surface treatments, including Isopropyl Titanium Triisostearate (ITT) and Triethoxycaprylylsilane (11S) to enhance flow, dispersion, wear and appearance.

Natural Mica

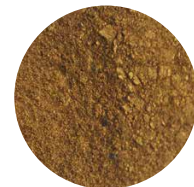
Product Name	Composition	Particle Size (µm)
Earth Tones		
New K-RAY [®] LIGHT GOLD	Mica, Red Iron Oxide	10-60
K-RAY [®] RED GOLD		
K-RAY [®] RICH GOLD		
K-RAY [®] LAVA SUNBURST		
New K-RAY [®] CYAN	Mica, Titanium Dioxide, Ferric Ammonium Ferrocyanide	10-60
Earth Tones - Dark		
K-RAY [®] DarkSilver	Mica, Titanium Dioxide, Black Iron Oxide	10-60
K-RAY [®] DarkGold		
K-RAY [®] DarkRed		
K-RAY [®] DarkViolet		
K-RAY [®] DarkBlue		
K-RAY [®] DarkGreen	Mica, Red Iron Oxide, Black Iron Oxide	10-60
K-RAY [®] DarkCopper		
K-RAY [®] DarkBrown		
K-RAY [®] DarkMagenta	Mica, Titanium Dioxide, Black Iron Oxide, Carmine	
Earth Tones - Magnetic		
New K-RAY [®] MagSilver	Mica, Titanium Dioxide, Black Iron Oxide	10-60
New K-RAY [®] MagGold		
New K-RAY [®] MagRed		
New K-RAY [®] MagPurple		
New K-RAY [®] MagBlue		
New K-RAY [®] MagGreen		
New K-RAY [®] MagBronze	Mica, Red Iron Oxide, Black Iron Oxide	10-60
New K-RAY [®] MagBrown		
New K-RAY [®] MagWine		
Optical Variable Pigment (OVP)		
K-RAY [®] PERPETUAL SUMMIT GOLD	Mica, Titanium Dioxide, Silica	10-60
K-RAY [®] PERPETUAL SUMMIT RED		
K-RAY [®] PERPETUAL SUMMIT VIOLET		
K-RAY [®] PERPETUAL SUMMIT BLUE		
K-RAY [®] PERPETUAL SUMMIT GREEN		



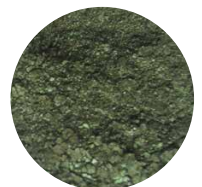
K-RAY[®] LIGHT GOLD



K-RAY[®] RICH GOLD



K-RAY[®] MagGold



K-RAY[®] MagGreen



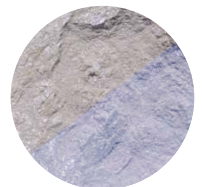
K-RAY[®] DarkSilver



K-RAY[®] DarkBlue



K-RAY[®] PERPETUAL SUMMIT VIOLET



K-RAY[®] PERPETUAL SUMMIT BLUE

KOBO

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Synthetic Mica

Product Name	Composition	Particle Size (µm)
White		
K-RAY® SM MICRO WHITE	<i>Synthetic Fluorphlogopite, Titanium Dioxide</i>	1-15
K-RAY® SM SATIN WHITE		5-25
K-RAY® SM SNOW		10-60
K-RAY® SM WHITE SPARK		10-200
K-RAY® SM WHITE SP		100-1000
Interference		
K-RAY® SM GOLD SPARK	<i>Synthetic Fluorphlogopite, Titanium Dioxide</i>	10-200
K-RAY® SM RED SPARK		
K-RAY® SM VIOLET SPARK		
K-RAY® SM BLUE SPARK		
K-RAY® SM GREEN SPARK		
K-RAY® SM GOLD SP	<i>Synthetic Fluorphlogopite, Titanium Dioxide</i>	100-1000
K-RAY® SM RED SP		
K-RAY® SM VIOLET SP		
K-RAY® SM BLUE SP		
K-RAY® SM GREEN SP		
Earth Tones		
K-RAY® SM ROYAL GOLD	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Red Iron Oxide</i>	10-60
K-RAY® SM GOLD GLITTER		10-100
K-RAY® SM GOLD FLASH		40-300
K-RAY® SM COPPER SP		100-700
K-RAY® SM ULTRA SPARKLE GOLD SP		50-1000
New K-RAY® SM MERLOT	<i>Synthetic Fluorphlogopite, Red Iron Oxide</i>	10-60
K-RAY® SM BRONZE SPARK		10-200
K-RAY® SM UMBER SPARK		40-300
K-RAY® SM BRONZE FLASH		100-700
K-RAY® SM LAVA SAND		100-700
Black		
K-RAY® SM FINE BLACK	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Black Iron Oxide</i>	5-25
Optical Variable Pigment (OVP)		
K-RAY® SM PERPETUAL SPRING GLITTER	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Red Iron Oxide, Silica</i>	10-100
K-RAY® SM PERPETUAL SUMMER GLITTER		
K-RAY® SM PERPETUAL AUTUMN GLITTER		
K-RAY® SM PERPETUAL WINTER GLITTER		



K-RAY® SM MERLOT



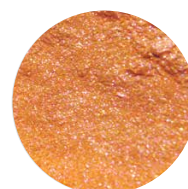
K-RAY® SM ROYAL GOLD



K-RAY® SM SNOW



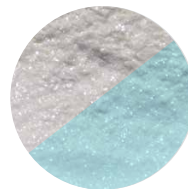
K-RAY® SM WHITE SPARK



K-RAY® SM PERPETUAL
AUTUMN GLITTER



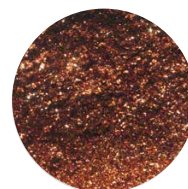
K-RAY® SM PERPETUAL
WINTER GLITTER



K-RAY® SM BLUE SPARK



K-RAY® SM VIOLET SPARK



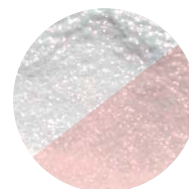
K-RAY® SM BRONZE FLASH



K-RAY® SM ULTRA
SPARKLE GOLD SP



K-RAY® G DIAMOND
SPARKLE GOLD



K-RAY® G DIAMOND
SPARKLE RED

Borosilicate

Product Name	Composition	Particle Size (µm)
Interference		
New K-RAY® G DIAMOND SPARKLE WHITE	<i>Calcium Aluminum Borosilicate, Titanium Dioxide</i>	20-200
K-RAY® G DIAMOND SPARKLE GOLD		
K-RAY® G DIAMOND SPARKLE RED		
K-RAY® G DIAMOND SPARKLE VIOLET		
New K-RAY® G DIAMOND SPARKLE BLUE		