

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.

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
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		
Earth Tones		
K-RAY [®] SM BRONZE SPARK	<i>Synthetic Fluorphlogopite, Fe₂O₃</i>	10-200
K-RAY [®] SM UMBER SPARK		
K-RAY [®] SM ROUSSILLON SPARK		
K-RAY [®] SM BRONZE FLASH		
Gold		
K-RAY [®] RICH GOLD	<i>Mica, Fe₂O₃</i>	10-60
K-RAY [®] RED GOLD		
K-RAY [®] LAVA SUNBURST	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Fe₂O₃</i>	10-75
K-RAY [®] SM ROYAL GOLD		10-60
K-RAY [®] SM GOLD GLITTER		10-100



K-RAY[®] SM
WHITE SPARK



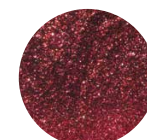
K-RAY[®] SM
SNOW



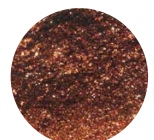
K-RAY[®] SM
VIOLET SPARK



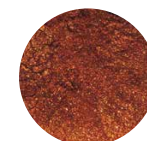
K-RAY[®] SM
BLUE SPARK



K-RAY[®] SM
ROUSSILLON SPARK



K-RAY[®] SM
BRONZE FLASH



K-RAY[®]
RICH GOLD



K-RAY[®] SM
ROYAL GOLD

KOBO

Technical Literature ref K-RAY Global - 001 - May 31, 2018

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

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

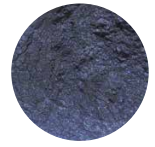
BRASIL - São Paulo
+55 (11) 5062-0634

www.koboproducts.com

Product Name	Composition	Particle Size (µm)
Dark		
K-RAY® DarkSilver	<i>Mica, Titanium Dioxide, Fe₃O₄</i>	10-60
K-RAY® DarkGold		
K-RAY® DarkRed		
K-RAY® DarkViolet		
K-RAY® DarkBlue		
K-RAY® DarkGreen		
K-RAY® DarkCopper		
K-RAY® DarkBrown		
K-RAY® DarkMagenta	<i>Mica, Fe₃O₄, Fe₂O₃</i>	
K-RAY® SM FINE BLACK	<i>Mica, Titanium Dioxide, Fe₃O₄, Carmine</i>	
	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Fe₃O₄</i>	5-25
Magnetic		
New K-RAY® MagBlue	<i>Mica, Titanium Dioxide, Fe₃O₄</i>	10-60
New K-RAY® MagBronze	<i>Mica, Fe₂O₃, Fe₃O₄</i>	
New K-RAY® MagBrown	<i>Mica, Titanium Dioxide, Fe₃O₄</i>	
New K-RAY® MagGold		
New K-RAY® MagGreen		
New K-RAY® MagPurple		
New K-RAY® MagRed	<i>Mica, Fe₂O₃, Fe₃O₄</i>	
New K-RAY® MagSilver		
New K-RAY® MagWine		
High Chroma OVP		
K-RAY® PERPETUAL SUMMIT GOLD	<i>Mica, Titanium Dioxide, Silica</i>	10-60
K-RAY® PERPETUAL SUMMIT RED		
K-RAY® PERPETUAL SUMMIT VIOLET		
K-RAY® PERPETUAL SUMMIT BLUE		
K-RAY® PERPETUAL SUMMIT GREEN		
K-RAY® SM PERPETUAL AUTUMN GLITTER	<i>Synthetic Fluorphlogopite, Titanium Dioxide, Fe₂O₃, Silica</i>	10-100
K-RAY® SM PERPETUAL SPRING GLITTER		
K-RAY® SM PERPETUAL SUMMER GLITTER		
K-RAY® SM PERPETUAL WINTER GLITTER		
Diamond Series		
K-RAY® G DIAMOND SPARKLE GOLD	<i>Calcium Aluminum Borosilicate, Titanium Dioxide</i>	10-200
K-RAY® G DIAMOND SPARKLE RED		
K-RAY® G DIAMOND SPARKLE VIOLET		



K-RAY® DarkSilver



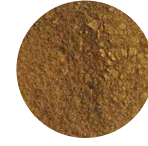
K-RAY® DarkBlue



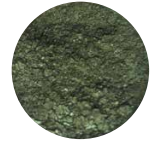
K-RAY® DarkGreen



K-RAY® DarkCopper



K-RAY® MagGold



K-RAY® MagGreen



K-RAY® MagPurple



K-RAY® MagWine



K-RAY® PERPETUAL SUMMIT VIOLET



K-RAY® PERPETUAL SUMMIT BLUE



K-RAY® SM PERPETUAL AUTUMN GLITTER



K-RAY® SM PERPETUAL WINTER GLITTER



K-RAY® G DIAMOND SPARKLE GOLD



K-RAY® G DIAMOND SPARKLE RED