KoboBlur™ 100 Natural

Plastic-Free Powder Complex for Multimedia Soft Focus Effect



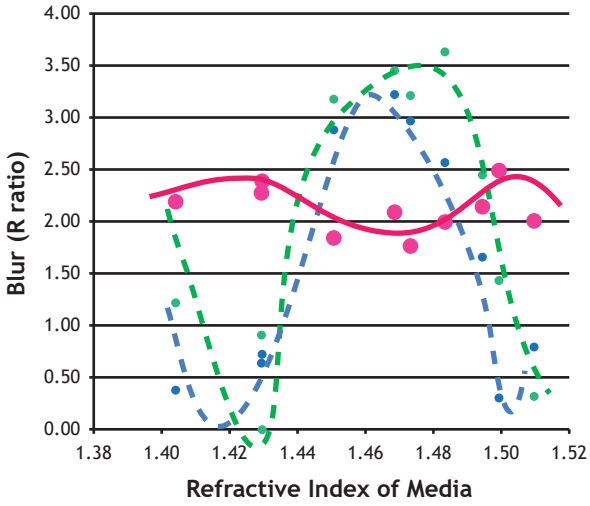
Micron-sized powders are very popular today for their soft focus effect. Studies have shown that relative refractive index of the particles and of the formula is an important characteristic that affects their efficacy. However, it can be challenging to find a particle that is efficient in multiple formulas because refractive index of the formula varies with its composition and after application on the skin.
Kobo Products has developed the powder complex, **KoboBlur™ 100 Natural**, made only of minerals and natural ingredients, using no plastic particles; the ingredients of this complex have complimentary refractive indexes and scatter light in a wide range of formulas. In vitro tests show it exhibited the same effect regardless of the media into which it was dispersed. Panel testing scored high for its capacity to hide skin imperfections and for its nice skin feel.

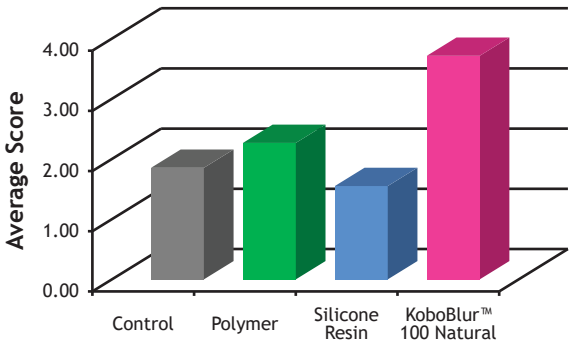
INCI name:
Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters

Average Particle Size: *8µm*

In Vitro Testing

KoboBlur™ 100 Natural, a polymer microsphere and a silicone resin microsphere were dispersed (10% w/w) in media of known refractive indexes and drawn-down on a glass plate.
The ability of each dispersion to provide haze was measured with a hazemeter and the result plotted vs. the R.I. of the media.
KoboBlur™ 100 Natural (pink line) scatters light in any of the media, while the polymer microsphere (green dotted line) and the silicone resin microsphere (blue dotted line) only scatter light efficiently in a narrow range of refractive indexes.
The range of RI's used in this test represent the range of systems commonly used in formulations.





Panel Testing

KoboBlur™ 100 Natural, a polymer microsphere and a silicone resin microsphere were formulated (15% w/w) in a O/W base emulsion.
The capacity to hide skin imperfections (soft focus) was assessed by a panel of 7 people after application on the forearm and compared with a control. Scores were averaged and plotted.
KoboBlur™ 100 Natural clearly outperformed both simple microspheres and the control in this test.

KFL-164-EU

Skintone Neutralizer

Part 1

• *Deionized Water*	57.00%
• Glycerin - Interchimie: *Glycerin*	4.00%
• **Gs-VC40**- Kobo Products: *Butylene Glycol (And) Water (And) Palmitoyl Hydroxypropyltrimonium Amylopectin/ Glycerin Crosspolymer (And) Ascorbic Acid (And) Phenoxyethanol (And) Parabens (And) Hydrogenated Lecithin*	2.00%
• Sodium Chloride - Fischer: *Sodium Chloride*	1.50%

Part 2

• Tegosoft® AC - Evonik: *Isoamyl Cocoate*	10.00%
• **KoboBlur™ 100 Natural** - Kobo Products: *Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters*	8.00%
• Jojoba Oil - Desert Whale: *Simmondsia Chinensis (Jojoba) Seed Oil*	6.00%
• Dub SSIC - Stéarinerie-Dubois: *Isocetyl Stearoyl Stearate*	3.00%
• Glycerin - Interchimie: *Glycerin*	4.00%
• Isolan® PDI - Evonik: *Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate*	2.00%
• **KTZ® EXTRAFINE RED 100 Natural** - Kobo Products: *Titanium Dioxide (And) Mica*	3.00%
• Olivem® 900 - HallStar: *Sorbitan Olivate*	1.50%
• Lipex® Shea Tris - AAK: *Shea Butter*	1.00%

Manufacturing Procedure

1. Add Part 2 ingredients and heat to 80-90°C while mixing.
2. Pre-mix Part 1 and add to Part 2 slowly while mixing.
3. Cool to 30°C and homogenize for 3 minutes at 5000 rpm.

Description

This facial cream gives uniform color to skin tone due to the addition of KoboBlur™ 100 Natural, a plastic-free Soft Focus Complex, which hides skin imperfections in all kinds of media. Gs-VC200 is a glycosphere with entrapped vitamin C for protected delivery of the active. KTZ® EXTRAFINE RED is a small particle size pearlescent pigment, that gives a subtle red glow, covers skin imperfections and evens out skintone.

KPP-104C

Creamy Pressed Powder

Part 1

• **GMS-ASG3** - Kobo Products: *Mica (And) Stearoyl Glutamic Acid*	70.48%
• **KoboBlur™ 100 Natural** - Kobo Products: *Silica (And) Cellulose (And) Mica (And) Barium Sulfate (And) Titanium Dioxide (And) Jojoba Esters*	10.00%
• **BTD-ASG2** - Kobo Products: *Titanium Dioxide (And) Stearoyl Glutamic Acid*	7.00%
• **ZINC MYRISTATE** (MB) - Kobo Products: *Zinc Myristate*	2.20%
• **BYO-ASG3** - Kobo Products: *Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid*	1.00%
• **BRO-ASG3** - Kobo Products: *Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid*	0.86%
• **BBO-ASG3** - Kobo Products: *Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid*	0.46%

Part 2

• Xiameter® PMX-200 Silicone Fluid 20CS - Dow Corning: *Dimethicone*	2.50%
• Lexol® PG-865 - Inolex Chemical Company: *Propylene Glycol Dicaprylate/Dicaprate*	2.00%
• Xiameter® PMX-200 Silicone Fluid 350CS - Dow Corning: *Dimethicone*	2.00%
• SS4267 - Momentive: *Dimethicone (And) Trimethylsiloxysilicate*	1.00%
• Lexgard® O - Inolex: *Caprylyl Glycol*	0.50%

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 700 psi.

Description

This pressed powder applies smoothly as a result of Kobo's ASG treated materials to provide a soft, velvet-like feel in combination with KoboBlur™ 100 Natural to enhance product payoff. KoboBlur™ 100 Natural gives a soft powdery after feel with soft focus effect. Powder compressibility is addressed with our dry binder, ZINC MYRISTATE (MB).