

Kobo Minerals

For Cosmetics



KoboMica S-25

Kobo Minerals are used in a variety of applications, including emulsions, hot pours, and powders found in Skin Care, Color Cosmetics and Toiletry products. Many are considered fillers which are widely used in shade matching to “fill in” areas where pigments are not used.

They can contribute to a finished product by adding bulking properties, an **enhanced skin feel**, luster, shimmer, shine and often times **sheen**, while helping to fill in the lines on the skin so they appear less visible.

Kobo’s product line of minerals includes **Sericite, Mica, and Talc** materials. All grades are available with various **surface treatments** to further enhance their properties.

Talc and Mica

Talc and Mica offer **superior performance** and strict control of particle sizes. They have very thin, flat & smooth surfaces. They provide **high slip**, excellent skin adhesion, spreadability, good pressability and anti-caking properties.

Product Name	Avg. Particle Size (µm)	Properties
<i>Talc</i>		
TALC AJM	2 - 6	<i>Opacifying. Good coverage. Dry, smooth feel.</i>
KoboTalc EX-15	13 - 17	<i>Translucent coverage. Silky, smooth feel.</i>
KoboTalc CT-250	21 - 37	<i>Exceptional transparency. Silky, smooth feel. Excellent slip.</i>
<i>Mica</i>		
KoboMica Y-08	7 - 12	<i>Very fine particles, with matte finishing properties.</i>
KoboMica L-24	22 - 26	<i>Very fine particles, natural sheen and luster.</i>
KoboMica S-25	22 - 26	<i>Exceptional transparency, good sheen and coverage.</i>
KoboMica L-27	25 - 29	<i>Good transparency, excellent sheen and shine.</i>
KoboMica L-50	45 - 55	<i>Large particle size offers excellent shine and luster.</i>
<i>Synthetic Mica</i>		
New KoboMica 1000S-11S2	9 - 45	<i>Exceptional transparency, good sheen and coverage.</i>
New KoboMica 1000S-MS3	9 - 45	<i>Exceptional transparency, good sheen and coverage.</i>
New KoboMica 1000S-NJE5	9 - 45	<i>Exceptional transparency, good sheen and coverage.</i>

Sericite

Sericite is a white, **silky**, shiny substrate derived from a fine crystalline mineral. Compared with mica, it is thicker and provides **good spreadability** and a **smooth** texture when applied to the skin.

Product Name	Avg. Particle Size (µm)	Properties
SERICITE GMS-4C	2.5 - 4.5	<i>Translucent color, smooth and soft skin feel. Excellent pressability.</i>
New SERICITE FSL-NJE5	10 - 20	<i>Extremely creamy, white, transparent, soft, good pressability and skin adherence.</i>
New SERICITE FSL-MS3		<i>White, creamy, translucent, silky, good pressability, luxurious, lubricity and soft sheen</i>
New SERICITE FSL-MM3		<i>Transparent white, good pressability, lubricity and skin adherence</i>

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Kobo Surface Treatments Available on various minerals

Code	Treatment	Characteristics	Properties
Fluorinated Treatments			
FS	Fluoro Silane	Hydrophobic and Lipophobic	Gives long-lasting wear, stay-true color and a natural finish.
FHS	Perfluorooctyl Triethoxysilane	Hydrophobic and Lipophobic	Excellent for long-wear products; Resilient to perspiration and sebum; Offers a natural appearance.
Hybrid Treatments			
DS-PDL3	Dimethicone & Pseudo Dermal Lipid Hybrid	Hydrophobic and Lipophilic	Excellent skin protection effect to maintain moisture; Water resistance, smoothness, skin compatibility and adhesion.
TTB	Titanate & Dimethicone	Hydrophobic and Lipophilic	Superdispersible in all media; Skin affinity; Stable in a wide range of pH.
11SP	Polyhydroxystearic Acid & Silane	Hydrophobic and Lipophilic	Easy dispersion into esters, mineral oils and silicone fluids; Ultra creamy feel in pressed powders.
Lipophilic Treatments			
ITT	Titanate	Highly lipophilic	For high pigment loading in esters, mineral oils and hydrocarbons; Good for Cream-To-Powders.
ASI	ITT/Amino Acid	Hydrophobic and Lipophilic	Good dispersibility in oils. Creamy texture, moisturizing feel and uniform spreading.
Natural Treatments			
ASG	Stearoyl Glutamic Acid	Hydrophobic	Gives moist creamy feel, particularly in powders; Good skin adhesion.
SMS	Glycolipid	Hydrophobic	Plant-derived Ceramide-like Glycolipid; Easy dispersion into oils and glycols; Creamy texture.
NJE	Jojoba Esters	Hydrophobic and Lipophilic	Offers creamy feel and superior adhesion to the skin; Improves pressability, low odor.
ASL	Gemini Type Amiphilic Amino Acid	Hydrophobic	Contributes water proofness and moisturizing effect.
MM	Magnesium Myristate	Highly Lipophilic	Creamy feel, low odor.
CL	Lecithin	Hydrophobic and Lipophilic	Provides exceptionally smooth and silky skin feel, particularly in pressed powders.
PC	Hydrogenated Lecithin	Hydrophobic	Provides a highly creamy feel and good affinity to the skin.
Silicone Treatments			
11S	Silane	Hydrophobic and Lipophilic	Compatible with esters, oils, silicones; No hydrogen potential; Maximum water repellency.
MS	Methicone	Very Hydrophobic	Wets well in silicone oils; Stable in a wide range of pH.
DS	Dimethicone	Hydrophobic	No Hydrogen potential, Less hydrophobicity, more slip and lubricity than methicone treatment.



KPP-072A

Pressed Powder with SESQ-CL3

Part 1

- SERICITE GMS-4C - Kobo Products: Mica 70.48%
- SESQ-CL3 - N&M/Kobo Products: Zea Mays (Corn) Starch (And) Polymethylsilsesquioxane (And) Polypropylsilsesquioxane (And) Aminopropyl Dimethicone 10.00%
- BTD-11S2 - Kobo Products: Titanium Dioxide (And) Triethoxycaprylylsilane 7.00%
- ZINC MYRISTATE - Kobo Products: Zinc Myristate 2.00%
- BYO-11S2 - Kobo Products: Iron Oxides (CI 77492) (And) Triethoxycaprylylsilane 1.00%
- BRO-11S2 - Kobo Products: Iron Oxides (CI 77491) (And) Triethoxycaprylylsilane 0.86%
- BBO-11S2 - Kobo Products: Iron Oxides (CI 77499) (And) Triethoxycaprylylsilane 0.46%
- Methyl Paraben NF - International Sourcing: Methylparaben 0.10%
- Propyl Paraben NF - International Sourcing: Propylparaben 0.10%

Part 2

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

Manufacturing Procedure

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1.
3. Blend well.
4. Press at 500 psi.

Description

This powder features SESQ-CL3, which gives a creamy cushion with improved payoff. SERICITE GMS-4C gives a glide-on application. The Silane-Treated Pigments disperse easily, adhere to the skin, and resist darkening during wear. ZINC MYRISTATE also contributes to great feel and adherence on the skin.

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