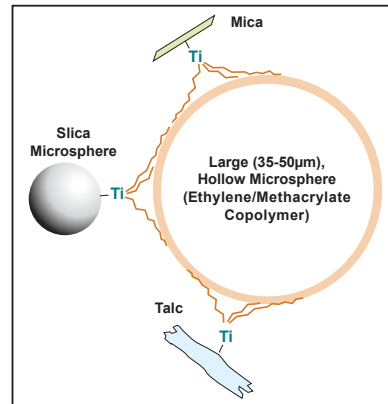


Microsphere Complexes

Microsphere Complexes: Kobo's patented technology covalently bonds Isopropyl Titanium Triisostearate to various substrates such as Platelets, Spheres and Pigments. The resulting complex offers the **best balance of properties possible**, including:

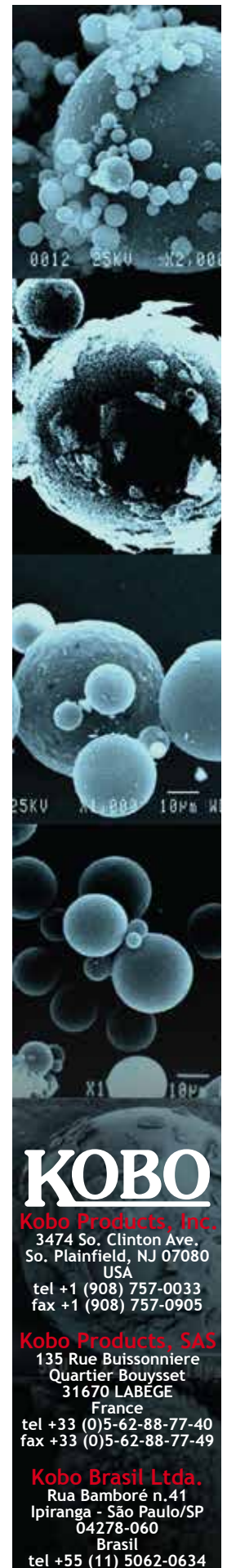
- lightweight, powdery afterfeel
- soft focus effect
- high oil absorption
- pearlescent effect



Patent #US 5356617
Pigment-material-microsphere complexes
and their production

Trade Name	INCI Name	Size (µm)	Oil Abs (g/100g)	Bulk Density (g/in ³)
DSPCS-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	23	280	1.0
DSPCS/20N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	45	550	0.7
DSPCS/3H-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	30	375	0.7
DSPCS/3N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	45	470	0.6
DSPCS/H-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	28	800	0.4
DSPCS/N-I2	Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	43	350	0.8
SPCAT-I2	Talc (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	26	193	1.0
SPCM-I2	Mica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	29	185	1.4
SPC/BLACK NF-12	Iron Oxides (C.I. 77499) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	25	224	0.9
SPC/MST-547-I2	Polymethylsilsesquioxane (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	23	255	0.4
SPC/KTZ BRONZE DOR-I2	Mica (And) Iron Oxides (C.I. 77491) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	29	282	1.1
SPC/KTZ CLASSIC WHITE-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	25	268	1.2
SPC/KTZ COPPER-I2	Mica (And) Iron Oxides (C.I. 77491) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	31	214	1.2
SPC/KTZ FINE WHITE-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	17	260	1.1
SPC/KTZ GOLD LAME-I2	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	26	260	1.2
SPC/KTZ INTERVAL BLUE-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	25	260	1.4
SPC/KTZ INTERVAL GOLD-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	25	232	1.2
SPC/KTZ INTERVAL GREEN-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	25	243	1.3
SPC/KTZ INTERVAL RED-I2	Mica (And) Titanium Dioxide (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	26	205	1.3
SPC/KTZ ROUSSILLON-I2	Mica (And) Iron Oxides (C.I. 77491) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	28	230	1.2
SPC/KTZ SUNBURST GOLD-I2	Mica (And) Titanium Dioxide (And) Iron Oxides (C.I. 77491) (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate	75	260	1.0

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Microspheres & Complexes

Fresh Glow Foundation

Formula KCP-037

Part 1

• BTD-11S2 - Kobo Products: <i>Titanium Dioxide (And) Triethoxycaprylylsilane</i>	24.20%
• TALC U-11S2 - Kobo Products: <i>Talc (And) Triethoxycaprylylsilane</i>	5.90%
• BYO-11S2 - Kobo Products: <i>Iron Oxides (C.I. 77492) (And) Triethoxycaprylylsilane</i>	3.50%
• GMS-11S2 - Kobo Products: <i>Mica (And) Triethoxycaprylylsilane</i>	3.50%
• BRO-11S2 - Kobo Products: <i>Iron Oxides (C.I. 77491) (And) Triethoxycaprylylsilane</i>	1.75%
• BBO-11S2 - Kobo Products: <i>Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane</i>	0.75%
• Methyl Paraben NF - International Sourcing: <i>Methylparaben</i>	0.20%
• Propyl Paraben NF - International Sourcing: <i>Propylparaben</i>	0.20%

Part 2

• Lexol® EHP - Inolex Chemical Company: <i>Ethylhexyl Palmitate</i>	43.00%
• PM WAX 82 - Toray/Kobo Products: <i>Polyethylene (And) Microcrystalline Wax</i>	3.00%
• KOBOGUARD® 5400 SQ - Kobo Products: <i>Hydrogenated Polycyclopentadiene (And) Squalane</i>	2.00%
• Lameform® TGI - BASF: <i>Polyglycerol-3 Diisostearate</i>	2.00%
• Petroleum G-1958 - Ruger Chemical: <i>Petrolatum</i>	2.00%
• SF1642 - Momentive: <i>C30-45 Alkyl Dimethicone</i>	2.00%
• Carnauba Wax SP 63P - Strahl & Pitsch: <i>Copernicia Cerifera (Carnauba) Wax</i>	1.00%
• Microcrystalline Wax SP-89 - Strahl & Pitsch: <i>Microcrystalline Wax</i>	1.00%
• Cetiol® SB 45 - BASF: <i>Shea Butter</i>	0.50%

Part 3

• DSPCS/H-12 - Kobo Products: <i>Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate</i>	3.50%
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Manufacturing Procedure

1. Blend Part 1 and pass through a micropulverizer until the color is fully dispersed.
2. Heat Part 2 with stirring to 80°C.
3. Add Part 1 to Part 2 and mix until homogenous.
4. Add Part 3.
5. Continue to mix until uniform while maintaining temperature.
6. Pour at 78°C-80°C.

Description

This Fresh Glow Foundation formula features Kobo's 11S Silane-Treated Pigments that disperse easily and adhere well to the skin. KOBOGUARD® 5400 SQ, resin composite, gives quick build up with a water-resistant film, and aids in long wear. DSPCS/H-12 gives a lightweight feel and helps the formula go immediately into a powder on the skin. PM WAX 82 helps with the structure.