

KOBOGUARD® HRPC

Wax-Resin Composite

KOBOGUARD® HRPC is a ternary wax resin composite. This patented complex has a proprietary ratio of waxes and resin (hydrogenated polycyclopentadiene) that exhibits unique synergy among all components. This wax-resin composite is able to impart a much enhanced adhesion and substantivity to the cosmetic formulation for the skin, hair, nail or lashes. It improves water-resistance, rub-resistance, and transfer-resistance of cosmetic formulations. It has no odor, imparts gloss and helps

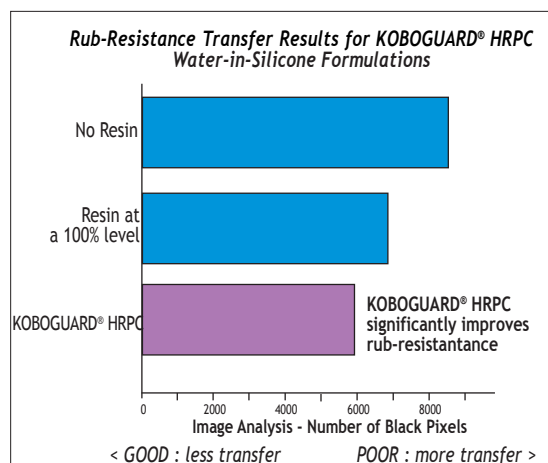
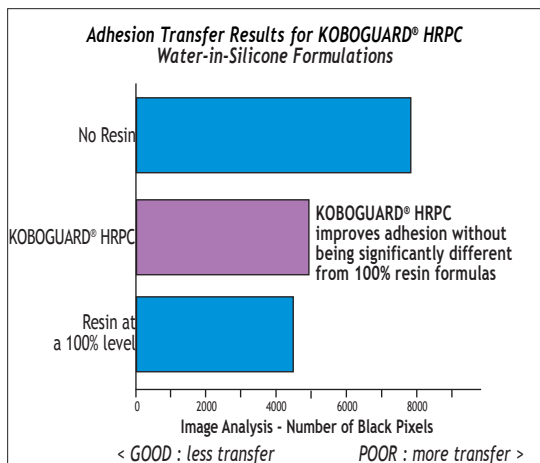
suspend pigments while maintaining excellent color stability which makes it an ideal substitute for rosins and their counterparts.

KOBOGUARD® HRPC has improved solubility over conventional resin because of its unique composite and can be quickly incorporated into formulations. The recommended use level is between 5 - 20% and the melting point is 85 °C.

Patent #US 8,679,464

Ternary and quaternary wax-resin composites for use in cosmetic and pharmaceutical preparations

Product Name	INCI Name
KOBOGUARD® HRPC	Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol



Non-Transfer Lipstick with KOBOGUARD® HRPC

Formula KLP-107

Part 1

- **KOBOGUARD® HRPC** - Kobo Products: Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol 25.00%
- **KOBOGUARD® MQ65TMF** - Kobo Products: Trimethylsiloxysilicate (And) Methyl Trimethicone 25.00%
- Ceraphyl® 368 - ISP: Ethylhexyl Palmitate 24.25%
- **INBP45R7C** - Kobo Products: Red 7 Lake (And) Isononyl Isononanoate (And) Isopropyl Myristate (And) Stearalkonium Hectorite (And) Isopropyl Titanium Triisostearate (And) Propylene Carbonate (And) Polyhydroxystearic Acid 7.25%
- Candelilla Wax SP 75 - Strahl & Pitsch, Inc.: Euphorbia Cerifera (Candelilla) Wax 7.00%
- **SERICITE GMS-4C** - Kobo Products: Mica 5.00%

- Ozokerite Wax White SP 1020P - Strahl & Pitsch, Inc.: Ozokerite 4.50%
- Microcrystalline Wax SP-89 - Strahl & Pitsch, Inc.: Microcrystalline Wax 2.00%

Manufacturing Procedure

1. Combine Part 1. Heat and mix in main beaker to 85 °C until uniform.
2. Pour into molds at 70-75 °C.

Description

This long-wear lipstick features a combination of resins to achieve long wear with a flexible film. Koboguard® HRPC provides water resistance and can improve wear of the formulation. Koboguard® MQ65TMF improves the adhesion of the formula onto the lips and helps to offer rub-resistance. INBP45R7C gives the formula an intense, vivid red shade. Sericite GMS-4C provides a base to the color to further help boost color with a subtle luminosity.

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