

Koboguard® HRPC Wax-Resin Composite

Koboguard® HRPC* is a ternary wax resin composite. This patent pending 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.

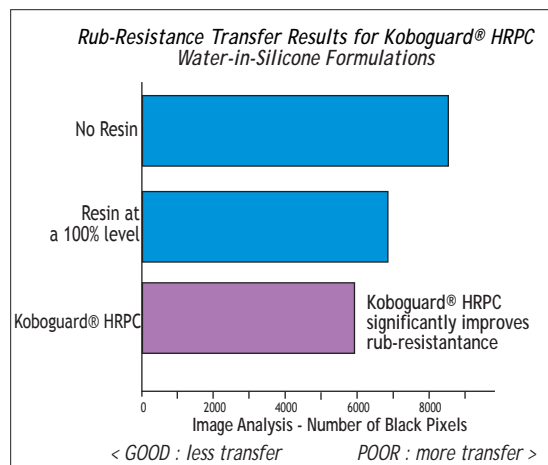
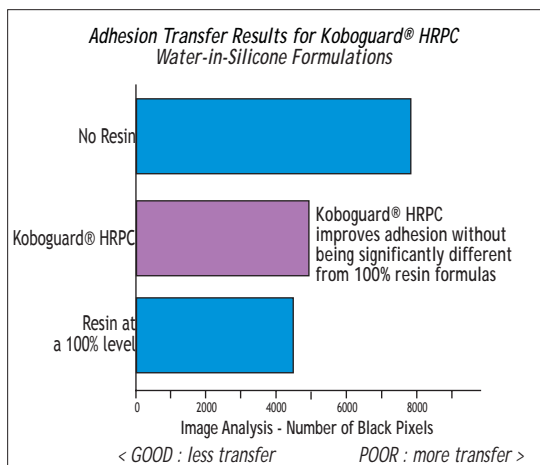
It has no odor, imparts gloss and helps

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 Pending*

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



Non-Transferring Lipstick with Koboguard® HRPC

Formula KLP-033A

Part 1

- Permethyl 99AD - Presperse: 49.25%
Isododecane
- **KOBOGUARD® HRPC** - Kobo Products: 25.00%
Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol
- **SW60ER** - Kobo Products: 7.25%
Iron Oxides (C.I. 77491) (And) Synthetic Wax (And) Isopropyl Titanium Triisostearate
- Candelilla Wax SP 75 - Strahl & Pitsch: 7.00%
Euphorbia Cerifera (Candelilla) Wax
- **SERICITE GMS-4C** - Kobo Products: *Mica* 5.00%
- Ozokerite Wax White SP 1020P - Strahl & Pitsch: *Ozokerite* 4.50%
- Microcrystalline Wax SP-89 - Strahl & Pitsch: *Microcrystalline Wax* 2.00%

Technical Literature ref KGHRPC-005- December 2, 2009

Manufacturing Procedure

Use explosion-proof mixers and equipment during batching process.

1. Combine Part 1 and heat to 105°C. Mix well under propeller until color is fully dispersed.
2. Cool to 80°C and pour into molds.

Description

This lipstick contains KOBOGUARD® HRPC, which gives non-transfer properties, aids in long-wear and provides a waterproof film. Kobo's Pigmentary Dispersion, SW60ER, provides fully developed color, and SERICITE GMS-4C gives a glide-on application.

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