

## Optical Variable Pigment (OVP)

### Introduction:

iSuoChem® Optical Variable Pigment is one of the most fashionable and high-end pigment. It offers brilliant color change effect like natural soap bubbles or butterfly wings. It is formed by thin film interference, which is different from the conventional chameleon pearlescent pigments. Optical Variable Pigment is composed by multi-layer optical nano-films. The special film structure forms strong interference color and high gloss effect. It can achieve obvious dynamic color change and metallic luster. Based on the uniqueness of product manufacturing and gorgeous color change characteristics, it is widely used in banknotes, automobiles, home appliances, cosmetics, anti-counterfeiting packages, etc.

### Applications:

- Paint: decorative paint, automobiles, home appliances, toys, leather, etc.
- Ink: For gravure ink, screen printing ink, packaging ink and anti-counterfeiting ink.
- Cosmetics: eyeshadow, nail polish, nail art, markup, etc.
- Coating on any material of products.

### Properties:

- It shows different colors seeing from different viewing angles. The color range is wider than normal.
- Non-toxic, odorless, environment friendly, excellent weather resistance;
- Safety: It can't be reproduced by duplication machine, scanner and other equipment.
- Easy: It has a simple identifiable feature that meets the requirements of public identification.

### Advantages:

- iSuoChem® HC series: Super shinning; High vivid color, Good hiding power, Good saturation; Wider color change range; Good durability.
- iSuoChem® HT series: High Transparency; Heavy metal free. Combined with different base color, it shows thaumaturgic color effect.
- iSuoChem® H3D series: Super shinning color with magnetic; According to the distribution of magnetic field lines, it shows strong dynamic color change effect and 3D visual effect. It represents the latest high tech product in optical fields.
- iSuoChem® Cosmetic series: heavy metal free and pathogenic bacteria free, safe for skin.



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### iSuoChem® HC series

Code	Color	Code	Color
HC01	Gold/Green/BLUE	HC10	Bronze/Green/Blue
HC02	Purple/yellow/ Green	HC11	Purple/ Red
HC03	Purple/Copper/ Rose Red	HC12	Violet /Gold
HC04	Rose red/ Gold/ Green	HC13	Purple/ Dark blue
HC05	Green/ Gold	HC14	Brown/ Red
HC06	Green/Yellow	HC15	Black/Red
HC07	Green/Grey/Violet	HC16	Grass green/ yellow
HC08	Green/Gold/Blue	HC17	Purple/kingfisher/Blue
HC09	Gold/Green	HC18	Fuchsia/ Gold

### iSuoChem® HT Series

Code	Color	Code	Color
HT04	Orange/Gold/ Green	HT03	Green/Blue/ Purple
HT05	Orange/Violet/Green	HT14	Blue/ Purplish Red
HT06	Red/Yellow/Green	HT07	Purplish blue/Orange

### iSuoChem® H 3D Series

HC Series can make into 3D color.

### iSuoChem® Cosmetic Series

Code	Color	Code	Color
Wonderland H2205S	Gold/Green/Blue shift	Wonderland H2223S	Blue-Sapphire shift
Wonderland H2217S	Orange/Gold shift	Wonderland H2224S	Royal Blue/Sapphire shift
Wonderland H2215S	Red/Gold shift	Wonderland H2235S	Emerald/Blue/Violet shift
Wonderland H2218S	Violet/Gold/Green shift		

### Specifications:

Particle Size available: 5-25um; 10-60um,20-100um, 200-300um etc. See TDS of each series.

Color available: see iSuoChem® color chart.