PEARL PIGMENT CATALOG

SHOWCASING THE FINEST AUTOMOTIVE, INDUSTRIAL AND COSMETIC GRADE PEARL PIGMENTS

2019 ISSUE

KP PIGMENTS
Welcome to our Pearl Pigment Catalog!

In the next several pages you’ll find one of the largest selections of high quality pearl pigments on the market. Before we get into that as strangers however, we’d like for you to get to know us a tad bit better.

KP Pigments was first started as a way to better serve the automotive customization market in terms of paint finishes and colors after being unhappy with most of the lack luster options available. Our market share quickly grew past the automotive industry and now KP Pigments proudly serves countless industries in dozens of countries all over the globe.

Our mission statement has always remained the same: create a better way to shop for pearlescent, metallic and effect pigments with a strong focus on customer service and technical support, while offering one of the largest selections of pigments. This dedication to servicing our customer base has allowed us to secure contracts with many large scale industrial, cosmetic and automotive OEM’s all over the globe and is a constant driving factor for our company and our employees.

KP Pigments is currently headquartered in Long Island, New York and has manufacturing facilities both domestically and abroad. We also boast FDA and REACH certifications for a majority of our pigment line up.

Please feel free to drop us a line and ask how KP Pigments can better serve your companies pigment needs.

Now let’s get into the fun stuff!

**WHAT ARE PEARL PIGMENTS?**

**SOLID PEARLS**
SINGLE AND SOLID COLOR PEARLESCENT PIGMENTS

**INTERFERENCE PEARLS**
EFFECT PIGMENTS OFFERING A VARIETY OF IRIDESCENT COLORS AND FINISHES

**CARBON PEARLS**
HIGHLY METALLIC AND BOLD SOLID PEARL PIGMENTS

**OEM+ PEARLS**
SOLID COLORS WITH A SUBTLE HOLOGRAPHIC EFFECT

**COLORSHIFT PEARLS**
OPTICALLY VARIABLE (COLOR CHANGING) EFFECT PIGMENTS

**HYPERSHIFT PEARLS**
THE MOST VIVID AND HARDEST SHIFTING PEARLS ON THE MARKET. MANY HYPERSHIFTS CAN SHOW 5-6 DIFFERENT COLORS BASED ON VIEWING ANGLE.
WHAT ARE PEARL PIGMENTS?

Pearl pigments are very fine inorganic and organic pigments that come in an almost endless array of metallic, interference and pearlescent colors. They can be used in almost any sort of medium, or even used dry as long as they are glazed or cleared over. Some uses for pearl pigments include: automotive coatings, glues, acrylic paints, gels and varnishes, clear resins, nail polish and eye shadow, watercolors, screen printing and other types of inks, fabric paints, masterbatches and even glass and plastic production.

Pearl pigments are usually mica or silica based powdered color additives that are coated with metal oxides and are non-toxic and inert. Since they contain no actual metal like some other pigments, they will never rust or tarnish.

The variety of finishes pearls can produce is nearly endless—from intense metallic sparkles to pearlescent shimmers and all manners of faux finishes.

Since most pearl pigments are semi-transparent, you can also use different colored base coats as well as different pearl loading and mixing ratios to create even more unique and customized colors. This process works extremely well with our interference and ColorShift pearls, which change color and hue based on viewing angle resulting in continuously changing colors!
All of our pigments are physically stable and can be used in both solvent based and water based paint systems as well as powder coating. To create a pearlescent paint, simply mix the correct amount of pearl pigment into the clear substrate of your choice. Take a look at the table on the right for general guidelines for mixing our pearls with paint.

<table>
<thead>
<tr>
<th>Paint Type</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive*</td>
<td>5-10</td>
</tr>
<tr>
<td>Architectural</td>
<td>5-10</td>
</tr>
<tr>
<td>Powder Coatings</td>
<td>2-7</td>
</tr>
<tr>
<td>Plastics</td>
<td>5-10</td>
</tr>
<tr>
<td>Epoxy/Resin</td>
<td>5-10</td>
</tr>
</tbody>
</table>

NOTE: This is just a general guideline and there are no rules when mixing pearl pigments into paints.
*For automotive coatings we generally suggest 25 grams per quart and for peelable automotive coatings, 50 or 75 grams per quart.

Pearl pigments can be used the same way as conventional pigments for printing inks. Depending on the individual printing process and preferences, there are many different finishes and effects to choose from according to particle size range and color. Pearl inks can be easily prepared, by mixing pearl pigments into any ink medium.

<table>
<thead>
<tr>
<th>Ink Type</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Ink</td>
<td>5-20</td>
</tr>
<tr>
<td>Gravure Ink</td>
<td>10-20</td>
</tr>
<tr>
<td>Off-set Ink</td>
<td>30</td>
</tr>
</tbody>
</table>

NOTE: Pre-dispersing the pigments with a small amount of binder or ink medium generally causes better dispersion and a more even finish.
Pearl pigments can also be used in many kinds of coated and specialty paper, such as advertisements, greeting cards, calendar paper, wallpaper, and any kind of pearl luster packing paper. Pearlescent effects of just about any color imaginable are achievable.

**LEATHER APPLICATION:**
Pearl pigments can also efficiently be applied to genuine leathers, and PU/PVC synthetic leathers. These pigments can be directly blended into the inks used for printing on leather surfaces. Finally, pearl pigments can even be added directly into transparent plastic resins to use for rolling and scraping production, as well as any other plastic production process.
MAIN FEATURES, BENEFITS & USES

OF KP PIGMENTS’ PEARL PIGMENTS:

- CUSTOMER SERVICE - KP Pigments prides itself on providing the utmost professional and personal service to all our customers. No project or customer is too big or small for our one-on-one support and advice on your pigment needs.

- They can be used in the finishing process of all types of materials, including automotive, printing products, plastics and leathers.

- They can be easily mixed into any clear substrate to be used with printing inks and coatings.

- Very stable properties for use in packaging and printing as they do not singe or migrate.

- They are environmentally friendly and thus pose no problem with regard to waste disposal.

- They are neutral in landfills since mineral pigments are insoluble in water and in solvents, and do not decompose.

- They are chemically neutral.

- They produce no odor.

- They are stable up to temperatures of 450°C to 800°C.

- They are physiologically harmless; since they do not trigger toxic reactions, they are completely safe for use in food packaging.

- They meet United States FDA and European REACH Standards.

- They contain no metal: the metal oxide used to coat the substrate has already been oxidized so there is no risk of a reaction with oxygen. The pigments are therefore eminently suitable in cases where electrical conductivity during use is not desirable or where metal may not be used for legislative reasons.
WANT TO SEE
INTERACTIVE 360 VIEWS
OF ALL OUR COLORS?

Visit our website at:
www.KPpigments.com

Please note: images on the website as well as color chips may differ from your end result depending on variables such as: pigment loading, basecoat, substrate and monitor.
### SOLID PEARLS

**SINGLE AND SOLID COLOR PEARLESCENT PIGMENTS**

<table>
<thead>
<tr>
<th>Color</th>
<th>Particle Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Karat Gold</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Adamantium</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Amber Yellow</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Aurum Dust</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Balloon White</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Black Cherry</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Blue Dream</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Blurple</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Bordeaux</td>
<td>10-60μm</td>
</tr>
</tbody>
</table>
Grape Soda
10-60µm

Green Lantern
10-60µm

Gulf Blue
10-60µm

Himalayan White
<15µm

HK5 Purple
10-60µm

Hot Pink
10-60µm

Hyper Black
10-60µm

Hyper Silver
10-60µm

Iguana Green
10-60µm

Kopi
10-60µm

Laver
10-60µm

Liberty Copper Metal Pearl
10-100µm

Mariana Blue
10-60µm

Medium Rare
10-60µm

Merlot Red
10-60µm

Miami Sunset
10-60µm

Mineral Glacier
10-100µm

Mocha Brown
10-60µm
Moissanite 40-200μm
Mojave 10-60μm
Moonstone Pink 10-60μm

Moss Green 10-60μm
Mulberry 10-60μm
Muscadine 10-60μm

Mystic Green 10-60μm
Nebula Blue 10-100μm
Nebula Green 10-60μm

Nebula Purple 10-60μm
Nebula Red 5-60μm
Nebula Yellow 10-60μm

Nighthawk Black 10-60μm
Nixon Gold Metal Pearl 10-100μm
Ocean Blue 10-60 μm

Penny Copper 10-30μm
Peppermint 10-60μm
Peridot 10-80 μm
INTERFERENCE PEARLS

EFFECT PIGMENTS OFFERING A VARIETY OF IRIDESCENT COLORS AND FINISHES
CARBON PEARLS

HIGHLY METALLIC AND BOLD SOLID PEARL PIGMENTS

- **Carbon Blue**: 30-60μm
- **Carbon Green**: 50-80μm
- **Carbon Red**: 10-60μm
- **Carbon Bronze**: 50-80μm
- **Carbon Lava**: 10-60μm
- **Carbon Orange**: 30-60μm
- **Carbon Gold**: 50-80μm
- **Carbon Silver**: 15-45μm
OEM + PEARLS

SOLID COLORS WITH A SUBTLE HOLOGRAPHIC EFFECT

Canary Yellow OEM+ 10-60μm
Cardinal Red OEM+ 10-60μm
Concord Purple OEM+ 10-60μm
Egyptian Blue OEM+ 10-60μm
French Blue OEM+ 10-100μm
Imperial Purple OEM+ 10-60μm
Obsidian Black OEM+ 10-60μm
Porcelain White OEM+ 5-60μm
Racing Green OEM+ 10-60μm
COLORSHIFT PEARLS

OPTICALLY VARIABLE (COLOR CHANGING) EFFECT PIGMENTS

Sandstone OEM+
10-60μm

Terra Orange OEM+
10-60μm

Topaz Blue OEM+
10-60μm

Aegean ColorShift
10-60μm

Allure ColorShift
10-60μm

Alpha Nano
30-115μm
Andromeda ColorShift
15-78μm

Anthias ColorShift
5-25μm

Aqua-Violet ColorShift
30-115μm

Arya ColorShift
10-60μm

Balkan ColorShift
10-60μm

Barbados Blue ColorShift
10-60μm

Anthias ColorShift
10-60μm

Balkan ColorShift
10-60μm

Barbados Blue ColorShift
10-60μm

Beta Nano
30-115μm

Black Hole ColorShift
10-120μm

BlueGill ColorShift
5-25μm

Bondi ColorShift
10-60μm

Bora Bora ColorShift
10-60μm

Calypso ColorShift
30-115μm

Casablanca ColorShift
10-60μm

Casper ColorShift
15-78μm

Caspian Gold Blue ColorShift
10-60μm

Cobra ColorShift
30-115μm

Cosmic Crush ColorShift
10-45μm

Cotton Candy ColorShift
30-120μm
<table>
<thead>
<tr>
<th>ColorShift Type</th>
<th>Size Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delta Nano</td>
<td>100-250μm</td>
</tr>
<tr>
<td>Emporis ColorShift</td>
<td>20-80μm</td>
</tr>
<tr>
<td>Europa ColorShift</td>
<td>15-78μm</td>
</tr>
<tr>
<td>Fiji ColorShift</td>
<td>&lt;15μm</td>
</tr>
<tr>
<td>Flash ColorShift</td>
<td>30-115μm</td>
</tr>
<tr>
<td>Galaxy ColorShift</td>
<td>30-120μm</td>
</tr>
<tr>
<td>Genesis ColorShift</td>
<td>10-120μm</td>
</tr>
<tr>
<td>Helios ColorShift</td>
<td>10-120μm</td>
</tr>
<tr>
<td>Hydra ColorShift</td>
<td>10-60μm</td>
</tr>
<tr>
<td>Iris-Violet ColorShift</td>
<td>30-115μm</td>
</tr>
<tr>
<td>Jedi ColorShift</td>
<td>10-45μm</td>
</tr>
<tr>
<td>Kepler ColorShift</td>
<td>100-250μm</td>
</tr>
<tr>
<td>Khalifa ColorShift</td>
<td>15-78μm</td>
</tr>
<tr>
<td>Komodo ColorShift</td>
<td>20-80μm</td>
</tr>
<tr>
<td>Kränberry Kocktail ColorShift</td>
<td>20-80μm</td>
</tr>
<tr>
<td>Krown Royale ColorShift</td>
<td>10-45μm</td>
</tr>
<tr>
<td>Lambda Nano</td>
<td>30-115μm</td>
</tr>
<tr>
<td>Lemon Lime ColorShift</td>
<td>15-78μm</td>
</tr>
</tbody>
</table>
Sockeye ColorShift
5-25μm

Theta Nano
30-115μm

Triton ColorShift
10-45μm

Tuscan ColorShift
10-60μm

Vanguard ColorShift
10-60μm

Vero ColorShift
10-60μm

Worm Hole ColorShift
10-60μm

Zeta Nano
100-250μm

Zombie Midnight ColorShift
10-78μm
HYPERSONHIFT
PEARLS

THE MOST VIVID AND HARDEST SHIFTING PEARLS ON THE MARKET. MANY HYPERSONSHIFTS CAN SHOW 5-6 DIFFERENT COLORS BASED ON VIEWING ANGLE.
FURTHER INFORMATION

REGULATORY INFORMATION

KP Pigments’ ColorShift pigments are produced with raw materials which are listed on most chemical inventories internationally. The pigments are safe for transport via ground, ocean and air in almost every country and every circumstance. Please consult the Safety Data Sheets or contact our support team for any further regulatory information. To request a safety datasheet please e-mail: info@KPpigments.com

ORDERING INFORMATION

For information on these and/or other products or to obtain pricing and availability, please contact KP Pigments at: info@KPpigments.com or via phone at: (516) 705-4389.
Figure 1. Light interacts with a mica flake coated with a metal oxide. Some of the light is transmitted through the particle, or scattered, and some of the light is reflected.

Figure 2. A cross section of a mica particle coated with a metal oxide.

Figure 3. Cross section of an optically variable (ColorShift) pigment. Certain colors are reflected while others are transmitted.

Figure 4. Snell’s Law as it applies to optically-variable pigment behavior.

**TECHNICAL SPECS**

*Inner Reflector*

*Weakly reflective layer*

*Partially reflective layer*
DON'T SEE WHAT YOU'RE LOOKING FOR?

KP Pigments is constantly adding new and innovative products and pigments to our line-up. If you don't see exactly what you’re looking for or have a specific color or effect pigment request please don’t hesitate to contact our support team. We are more than happy to help meet your specific needs and offer customized products for our clients.
FREQUENTLY ASKED QUESTIONS

Q: Do you offer wholesale rates?
A: Yes, depending on your needs, we offer jobber, distributor and wholesale discounts. For more information please contact us via e-mail: info@ KPpigments.com, phone: (516) 705-4389 or fill out our installer application on our website: www.KPpigments.com

Q: Are your pearl pigments safe for cosmetic use?
A: Yes. All of our pigments with the exception of our OEM+ series and our Carbon Pearls are safe for use in cosmetics.

Q: How much pigment should I be using?
A: We have a mixing chart available on the product pages for all of our colors on www.KPpigments.com. There is also a mixing chart on page 3 of this brochure.

Q: Can I mix 2 colors to create a custom color?
A: Absolutely. However, please keep in mind mixing two colorshifts or two interference pigments can cause the colors to cancel out. We strongly suggest doing small scale testing if you want to mix two colors.

Q: What is a color shifting pearl?
A: Colorshift, or Optically Variable, pearls change color and hue based on viewing angle. They create vivid metallic effects just like a chameleon paint job.

Q: How can I request an SDS form for your pigments?
A: You may request an SDS either via e-mail: info@ KPpigments.com, or click the “Request an SDS” button on the product page of the color you’re looking at on our website.

Q: Can you match a color I’m already using?
A: While this is is often a difficult task, our technicians can try their best to help you create a spot on match.

Q: What is your favorite color that you sell?
A: While we’d absolutely love to pick a favorite color, that question to us is as picking a favorite child. We love them all equally!