



# IS GOLD

Colux GmbH  
Im Kirchgarten 11  
67150 Niederkirchen  
Tel.: +49 (0) 6326 980094  
Fax: +49 (0) 6326 980103  
[www.colux.de](http://www.colux.de)  
[info@colux.de](mailto:info@colux.de)

[WWW.PRITTYPIGMENTS.COM](http://WWW.PRITTYPIGMENTS.COM)



## **IRIDESIUM 100N**

***The most popular pearl pigments in the world!***

### **Features:**

1. A basic commodity product suitable for almost all applications which desire pearl effect.
2. Low cost and easy to use.
3. Can be used solo as mass tone or combine with other pigments to provide pearl effect.
4. When Silver White pearls use in Polycarbonate, usually the final product turns yellow due to its chemical reaction. This Silver White pearl needs anti-yellowing post treatment.
5. When UV resistance is required, 103N is recommended instead of 100N.

### **Iridesium 100N**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	2.7-3.0 g/cm <sup>3</sup>	15-21g/100ml	7-11	Not Soluble	60-80g/100 g	≤800°C

### **Iridesium 100N Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 103N**

***The most popular pearl pigments in coating industry!***

### **Features:**

1. Elegant and remarkable pearl effect, very white with great luster, strong hiding power, easy dispersion. The excellent performance makes it the most popular product in coating industry.
2. Rutile crystal structure makes its weatherability three times higher than Anatase type (such as Iridesium 100N). Therefore it is a popular choice for products which require weather resistance performance.
3. Its temperature resistance is higher than Anatase products.
4. Its anti-yellowing performance is better than Anatase products.

### **Iridesium 103N**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	2.8-3.1 g/cm <sup>3</sup>	16-22g/100ml	7-10	Not Soluble	60-80g/100 g	≤800°C

### **Iridesium 103N Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★	Particle Size Distribution ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





### **Comparison between 100N & 103N**

1. Crystal structure: 100N is Anatase, 103N is Rutile.
2. Whiteness: the whiteness of 103N is better than 100N.
3. Brightness/Luster: 103N is brighter and has better sparkle effect than 100N.
4. Weather resistance: Rutile type 103N performs better than Anatase type 100N; 103N is more suitable for exterior applications which requires higher weather resistance, while 100N is mainly used for interior applications such as plastics, balloon, etc.
5. Shear resistance: 103N has better shear resistance because of the diameter and thickness ratio. Its carrier mica also has better elasticity, which benefits plastic industry the most: the pearl pigments do not break under pressure.
6. Hiding power: they have the same particle size of 10-60um, but 103N's particle size distribution is narrower, in result 103N has higher hiding power and better luster. It provides better effect in printing ink application.





### **Comparison between 100N & 100SW**

1. Substrate: 100N is made of natural mica while 100SW is made of synthetic mica.
2. Whiteness: 100SW's whiteness is 200% of 100N.
3. Sparkle effect: 100SW is 300% of 100N.
4. Hiding power: 100N is 200% of 100SW because of natural mica substrate.
5. Shear resistance: natural mica has better elasticity, therefore 100N has greater shear resistance, which is more suitable for plastic application specifically extrusion process.
6. Heavy metal contents: 100SW has almost zero heavy metal therefore it is a better choice for applications strict to heavy metal concentrations, such as toys and food packages.





## **IRIDESIUM 110**

*The finest Anatase white pearl pigments!*

### **Features:**

1. Superior product for plastic application:  
Remarkably high shear resistance due to its fine particle size.  
It hardly breaks during all plastic manufacturing processes.  
It can improve the physical property of plastic products.
2. Excellent product for printing:  
All particles can go through the sieve, no clogging problem.  
Its oil absorption is very low, thus it has little impact to the ink viscosity.  
It is suitable for all printing processes.
3. With a small dosage, it can reach a silky and elegant effect in interior decorative paints.
4. It can mix with other pearl pigments, to improve the hiding power of the final products.

### **Iridesium 110**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	< 15µm	2.9-3.2 g/cm <sup>3</sup>	18-26g/100ml	7-11	Not Soluble	65-75g/100 g	≤800°C

### **Iridesium 110 Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 111**

***The finest Rutile white pearl pigments!***

### **Features:**

It has all features that Iridesium 110 has, and even better. Iridesium 111 is Rutile while Iridesium 110 is Anatase. For the difference between Rutile and Anatase, please refer to page 5.

1. Superior product for plastic application:  
Its shear resistance is remarkably high due to its fine particle size.  
It hardly breaks during all plastic manufacturing processes.  
It can improve the physical property of plastic products.
2. Excellent product for printing:  
All particles can go through the sieve, no clogging problem.  
Its oil absorption is very low, thus it has little impact to the ink viscosity.  
It is suitable for all printing processes.
3. With a small dosage, it can reach a silky and elegant effect in interior decorative paints.
4. It can mix with other pearl pigments, to improve the hiding power of the final products.
5. It has good UV resistance.

### **Iridesium 111**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	< 15µm	2.9-3.3 g/cm <sup>3</sup>	18-26g/100ml	7-11	Not Soluble	60-80g/100 g	≤800°C

### **Iridesium 111 Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★
Color Saturation ★ ★ ★	Color Saturation ★ ★ ★	Color Saturation ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

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## **IRIDESIUM 120N**

***The best-seller in plastic industry!***

### **Features:**

1. Superior product for plastic application:  
The shear resistance is higher due to its fine particle size, it hardly breaks during all plastic manufacturing processes.
2. Excellent product for printing:  
All particles can go through the sieve, no clogging problem.  
Its oil absorption is lower, thus it has little impact to the ink viscosity.  
It is suitable for all printing processes.
3. Suitable for decorative paints which do not require UV resistance.
4. It is a great choice for seeds coating industry:  
It has strong hiding power and lower oil absorption;  
It is almost heavy metal concentration free.

### **Iridesium 120N**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	5-25µm	2.9-3.1 g/cm <sup>3</sup>	19-26g/100ml	7-11	Not Soluble	60-75g/100 g	≤800°C

### **Iridesium 120N Applications**

Plastics	Decorative Paints	Gravure Printings	Seeds Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 123N**

***The best-seller in printing ink industry!***

### **Features:**

It has all features that Iridesium 120N has, and even better. Iridesium 123N is Rutile while Iridesium 120N is Anatase. For the difference between Rutile and Anatase, please refer to page 5.

1. Ideal choice for printing industry:  
All particles can go through the sieve, no clogging problem.  
Its oil absorption is very low, thus it has little impact to the ink viscosity.  
Rutile pearl has better luster.  
It is suitable for all printing processes.
2. Popular product for interior and exterior paints:  
It provides great pearl effect in elegant style, meanwhile the excellent UV resistance makes the paint long-lasting.
3. Plastic industry also bias to this product. It has good shear resistance, therefore the pearl pigments hardly break during all plastic manufacturing processes.

### **Iridesium 123N**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	5-25µm	3.0-3.3 g/cm <sup>3</sup>	19-26g/100ml	7-11	Not Soluble	60-75g/100 g	≤800°C

### **Iridesium 123N Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★★★★★	Total ★★★★★	Total ★★★★★	Total ★★★★★
Shear Resistance ★★★★★	Luster ★★★★★	Metallic Effect ★★★★★	Color Saturation ★★★★★
Color Saturation ★★★★★	Color Saturation ★★★★★	Color Saturation ★★★★★	Hiding Power ★★★★★
Dispersion ★★★★★	Hiding Power ★★★★★	Hiding Power ★★★★★	Particle Size Distribution ★★★★★
	Metallic Effect ★★★★★	Particle Size Distribution ★★★★★	

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**IRIDESIUM SS-001**  
*The shining snow-white!*

**Features:**

1. This is a product designed for applications sensitive to whiteness, such as synthetic marbles, high end decorative paints, screen-printed design on white objects.
2. Based on high quality synthetic mica, this product is super shining, very white and no heavy metal. Pritty “in house” technology makes the black spots well controlled. It is a great option for high-end electronics (such as the surface of air-conditioners, refrigerators), marbles for kitchen counters, mobile phone, etc.
3. Middle East people love decorative paints with the shining snow-white! Either a small dosage in the top coating for a gentle touch of shining effect, or use it as mass tone!

**Iridesium SS-001**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	50-250µm	2.6-2.9 g/cm <sup>3</sup>	26-38g/100ml	6-10	Not Soluble	75-85g/100 g	≤820°C

**Iridesium SS-001 Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★	Total ★ ★ ★
Shear Resistance ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★	Color Saturation ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★	Hiding Power ★ ★ ★
Dispersion ★ ★ ★	Hiding Power ★ ★ ★	Hiding Power ★ ★ ★	Particle Size Distribution ★ ★ ★
	Metallic Effect ★ ★ ★ ★	Particle Size Distribution ★ ★ ★	

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**IRIDESIUM 8011**  
***Diamond in the pearl world!***

**Features:**

1. Glass flake substrate contributes to extremely attractive effect:  
It twinkles like diamond!  
This product is incredibly popular for all applications pursuing luxury sparkling effect, such as high-end plastic package, electronics, wall paper, even decorative paint for unique designs.
2. The multiple-surface of glass flakes brings out an amazingly multidimensional effect ( 3D effect).
3. This product is compatible with all transparent formulas, because of its superior whiteness and color purity.
4. It sounds too expensive? But all it takes is less than 1% dosage.
5. Black background or glossy surface can double the twinkle effect! Glossy black surface will make its effect to the extreme!

**Iridesium 8011**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	2.45-2.6 g/cm <sup>3</sup>	16-24g/100ml	7-11	Not Soluble	70-110g/100 g	≤600°C

**Iridesium 8011 Applications**

Plastics	Decorative Paints	Gravure Printings	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 205**

***Wall-paper's favorite choice!***

### **Features:**

1. The most popular color from interference family: on white background it reveals an elegant creamy color, and from different angles it imparts various effects. When it is on darker background, the white color turns into gold like magic!
2. Wall-paper's favorite choice: the classic elegant creamy wall paper makes home warm and cozy, with style!
3. Neatly arranged particle size, extremely strong color saturation, easy dispersion performance, the great combination makes it a very sophisticated product popular for many other applications such as plastics, coatings and printing inks.

### **Iridesium 205**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Golden powder	10-60µm	2.9-3.2 g/cm <sup>3</sup>	25-33g/100ml	7-11	Not Soluble	55-75g/100 g	≤800°C

### **Iridesium 205 Applications**

Wall Paper	Decorative Paints	Plastics	Printing Inks
Total ★ ★ ★ ★ ★			
Color Saturation ★ ★ ★ ★ ★	Lightness ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Lightness ★ ★ ★ ★ ★
Lightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 225**  
***Magic blue!***

**Features:**

1. On white background it is white with an elegant blue hue; on dark background it turns into attractive blue. Cigarette packs, cigarette holders and tipping paper are all very fond of this magic blue!
2. The magic blue is gorgeous but not exaggerating. Houses painted by it are calm and elegant.
3. The pigments is white, when used in transparent plastic, the final product is white with a light tint of blue from different angles. The effect is unique and attractive.
4. The magic blue is Rutile with excellent UV resistance, therefore it is a great choice for exterior paints, car refinish paint and powder coatings.

**Iridesium 225**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Blue Powder	10-60µm	3.1-3.3g/cm <sup>3</sup>	34-40g/100ml	7-11	Not Soluble	55-75g/100 g	≤800°C

**Iridesium 225 Applications**

Printing Inks	Plastics	Decorative Paints	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★		Weather Resistance ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 300**

***The most popular regular gold!***

### Features:

1. Yellow gold color shade with soft tint and generic particle size, compatible with almost all applications.
2. Specifically popular for decorative paints and foil coatings, due to its supreme luster and extremely strong hiding power.
3. Widely used in ink industry: the particle size distribution is very neat and tidy, the low oil absorption affects very little to the ink viscosity, the luster is strong but the color shade is soft and elegant.
4. Plastics is also in favor of it: the natural mica gives it stronger anti-shearing force and greater hiding power. Many bottles and caps adopt this color shade for decades.

### **Iridesium 300**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Yellow Powder	10-60µm	2.9-3.2g/cm <sup>3</sup>	24-29g/100ml	8-11	Not Soluble	60-80g/100 g	≤ 800°C

### **Iridesium 300 Applications**

Wall Paper	Decorative Paints	Printing Inks	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	Lightness ★ ★ ★ ★ ★	Lightness ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★
Lightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 302**  
*Soft golden satin sheen!*

**Features:**

1. Pure golden shade in satin-style finish. Provides a soft, subtle, light-refractive sheen. It is the most popular satin gold.
2. Smaller particle size means stronger hiding power, this characteristic makes it popular in decorative paints especially for painting outlines.
3. Particle size is small with tidy distribution, therefore the shear resistance is stronger with better hiding power, which makes it an ideal choice for plastic industry.
4. Tidy particle size does not block the sieve, lower oil absorption does not increase the ink viscosity, stronger hiding power with remarkable luster, all these traits make it a great combination for printing inks.

**Iridesium 302**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Yellow Powder	5-25µm	3.0-3.3g/cm <sup>3</sup>	28-34g/100ml	6-10	Not Soluble	55-75g/100 g	≤800°C

**Iridesium 302 Applications**

Printing Inks	Plastics	Decorative Paints	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Shear resistance ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★			

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 303**

*Pritty's signature product from Golden Luster family!*

#### **Features:**

1. This signature product has the most saturated color: less dosage can achieve better effect!
2. It reveals impressive metallic effect with very strong hiding power, perfect for powder coating application.
3. Decorative paints and construction coating love this star product: for its strong color shade, great hiding power and metallic effect.

#### **Iridesium 303**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Golden Powder	10-60µm	3.0-3.3g/cm <sup>3</sup>	26-32g/100ml	6-10	Not Soluble	60-80g/100 g	≤800°C

#### **Iridesium 303 Applications**

Printing Inks	Powder Coatings	Decorative Paints	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Weather Resistance ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★
	Particle Size Distribution ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 306A**

*An intermediate color between Iridesium 300 & 303*

### **Features:**

1. The color shade is a pure yellow gold! In some applications, it can achieve the gold rush effect with much lower cost.
2. One of the most popular gold shades in decorative paints and foil coatings: thanks to its strong color shade and hiding power.
3. Printing inks is also in favor of it: it does not block the sieve, affects very little to ink viscosity, offers stronger hiding power and great luster.

### **Iridesium 306A**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Golden Powder	10-60µm	3.0-3.3g/cm <sup>3</sup>	24-29g/100ml	8-11	Not Soluble	60-80g/100 g	≤ 800°C

### **Iridesium 306A Applications**

Decorative Paints	Foil Coatings	Printing Inks	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Weather Resistance ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 308**

*The charming green jewel of Golden Luster family!*

#### **Features:**

1. The greenish color shade is so unique, when applied in decorative paints, it appeals the beauty of authentic gold! Middle East and North Africa specifically bias to this color shade.
2. Regardless the color shade is impressively saturated, the base color is very light! Therefore it is very compatible with transparent binders especially plastic!
3. It is also a great choice for printing ink application: it offers bright luster and great hiding power; it does not block the sieve and hardly affects the ink viscosity.

#### **Iridesium 308**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Yellow Powder	10-60µm	2.9-3.2g/cm <sup>3</sup>	24-30g/100ml	8-11	Not Soluble	60-80g/100 g	≤800°C

#### **Iridesium 308 Applications**

Decorative Paints	Plastics	Foil Coatings	Printing Inks
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
	Dispersion ★ ★ ★ ★ ★	Weather Resistance ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 351**  
*A sparkle green gold!*

**Features:**

1. Popularly used in decorative paints and foil coatings. The particle size is perfect for spray process. Its dazzling sparkle effect and the super reflective luster makes unusual flamboyant design!
2. It is applicable for screen printing on any subject with eye-catching effect. The greenish tint and the sparkle charm are the key attractions.
3. Yes, it is also an outstanding choice for body scrub!

**Iridesium 351**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Yellow Powder	10-100µm	2.8-3.1g/cm <sup>3</sup>	28-34g/100ml	8-11	Not Soluble	70-90g/100 g	≤ 800°C

**Iridesium 351 Applications**

Decorative Paints	Foil Coatings	Silkscreen Printing
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★
Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
	Weather Resistance ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 500**  
*The elegant vintage bronze!*

**Features:**

1. A classic choice for construction paints, specifically for security door, because of the vintage bronze effect, lower cost and good weather resistance.
2. It is also popular for exterior applications, such as railing and fence!
3. It is perfectly accepted by the printing package industry: for its distinguish color shade and particle size distribution.

**Iridesium 500**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Red Powder	10-60µm	3.0-3.3g/cm <sup>3</sup>	22-28g/100ml	6-9	Not Soluble	50-70g/100 g	≤700°C

**Iridesium 500 Applications**

Decorative Paints	Powder Coatings	Printing Inks	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Weather Resistance ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★		Particle Size Distribution ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 502**  
*Low-profile luxury bronze!*

**Features:**

1. No.1 choice for automotive paint and car refinish paint: the color shade is beautiful and classic for vehicle.
2. Decorative paints love this color shade too! The strong hiding power with outstanding luster is a great plus!
3. It has impressive UV resistance, so it lasts long time even used for outdoor.

**Iridesium 502**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Red Powder	10-60µm	3.1-3.3g/cm <sup>3</sup>	24-30g/100ml	6-9	Not Soluble	50-70g/100 g	≤ 700°C

**Iridesium 502 Applications**

Decorative Paints	Printing Inks	Powder Coatings	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Weather Resistance ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
	Particle Size Distribution ★ ★ ★ ★ ★		Dispersion ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 7211**  
**Aluminium effect pearl!**

**Features:**

1. With Pritty's "in house" technology, we developed this grey pearl pigments without adding any colorants or pigments. Yes, this grey pearl is made of Mica and Titanium only.
2. As a creative "traditional" pearl pigments, without the affection from organic pigments, Iridesium 7211 complies with all regulations for toys, food packages and cosmetics.
3. The heat resistance is 300 °C. It is qualified for all cookware products, and all manufacturing processes for plastics.
4. The impressive strong hiding power is 200% of regular pearl, its performance is outstanding in printing ink and coating industry. With smaller dosage it can impart fantastic effect.
5. It is a multi-coating product with great metallic effect. The metallic effect is 200% more than traditional grey pearl: a mixer of silver white pearl and carbon black.
6. Pearl is Non-hazardous chemicals, there is zero risk of explosion. It is 100% safe and extremely easy for storage, transportation and use.

**Iridesium 7211**

Physical Form	Appearance	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	Grey Powder	10-60µm	2.8-3.1g/cm <sup>3</sup>	17-21g/100ml	7-11	Not Soluble	50-70g/100 g	≤ 300°C

**Iridesium 7211 Applications**

Printing Inks	Stationary Paints	Plastics	Cookware Products
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	No Heavy Metal Concentration ★ ★ ★ ★ ★	Heat Resistance ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Water Resistance ★ ★ ★ ★ ★		Metallic Effect ★ ★ ★ ★ ★	Water Resistance ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★			No Heavy Metal Concentration ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 3111**

***The finest Solar Gold in the world!***

### **Features:**

1. Amazing strong hiding power!
2. Outstanding saturation with high brilliance!
3. Extremely smooth authentic gold effect!

### **Application:**

#### **1. Printing inks:**

With a small dosage it can achieve great metallic effect with outstanding hiding power.

Higher speed printing requires lower viscosity, Iridesium 3111 affects the ink viscosity less compare to other pearl pigments.

Narrow PSD, fine particle size, easy to go through the sieve without clogging.

It is compatible with all printing methods, very easy and flexible to use.

Most suitable for luxury package, labels and high-end wall paper.

#### **2. Paints:**

An elegant choice for painting the outlines.

#### **3. Plastic:**

Brings out very soft metallic effect, makes a sophisticated design for high-end package.

The anti-shearing force is stronger due to its fine particle size, reserves great metallic effect with all plastic manufacturing processes.

With Iridesium 3111, the final plastic product has much better impact resistance performance.

### **Iridesium 3111**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	≤15µm	3.2-3.7 g/cm <sup>3</sup>	38-45g/100ml	7-11	Not Soluble	50-65g/100 g	≤800°C

### **Iridesium 3111 Applications**

Printing Inks	Plastics	Paint
Total ★★★★★	Total ★★★★★	Total ★★★★★
Particle Size Distribution ★★★★★	Shear Resistance ★★★★★	Hiding Power ★★★★★
Hiding Power ★★★★★	Color Saturation ★★★★★	Color Saturation ★★★★★
Color Saturation ★★★★★	Metallic Effect ★★★★★	Metallic Effect ★★★★★
Metallic Effect ★★★★★	Luster ★★★★★	Luster ★★★★★

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 3325**

**Custom made product for gravure printing!**

### **Features:**

1. Specifically custom made for printing ink application, and also suitable for some other applications.
2. For printing: very narrow particle size distribution, easy to pass through the sieve, do not block the sieve; lower oil absorption affects very little to the ink viscosity, with excellent luster and great hiding power.
3. For plastics: higher resistance to shear force in extrusion; higher resistance to temperature and no color fading issue; strong hiding power, easy dispersion performance resulting in less flow lines.
4. Fantastic choice for decorative paints, especially for painting outlines due to its incredible advantages: strong color saturation; ultimate luster, incomparable hiding power, and impressive reflection due to the extremely narrow particle size distribution.

### **Iridesium 3325**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	5-25µm	3.1-3.6 g/cm <sup>3</sup>	38-45g/100ml	7-11	Not Soluble	50-70g/100 g	≤800°C

### **Iridesium 3325 Applications**

Printing Inks	Plastics	Decorative Paints	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Non color fading ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Light Reflection ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
Luster ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	
Oil Absorption ★ ★ ★ ★	Dispersion ★ ★ ★ ★		

One star=satisfactory, five stars=outstanding; according to industry standards.





***IRIDESIUM 3305***  
***Pritty 's sales champion!***

**Features:**

1. Among 10-60µm products, Iridesium 3305 offers the best color saturation and luster.
2. Easy dispersion helps to reduce flow lines in plastic application compares to other gold products.
3. In some applications, Iridesium 3305 can achieve extremely strong metallic effect.
4. The best upgrade of regular gold 303: the effect triples while the cost only increases 70%.

**Iridesium 3305**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	3.1-3.6 g/cm <sup>3</sup>	35-43g/100ml	7-11	Not Soluble	60-80g/100 g	≤820°C

**Iridesium 3305 Applications**

Decorative Paints	Printing Inks	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Shade ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





## **IRIDESIUM 3307**

### ***Authentic Gold Duplicates!***

#### **Features:**

1. First choice to replace authentic gold, thanks to its neat golden tone with greenish hue.
2. The carrier is high quality synthetic mica, which offers a distinctive shining effect even with less dosage.
3. The base color is neat and light. It does not interfere with the mass tone.

#### **Iridesium 3307**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	3.1-3.5 g/cm <sup>3</sup>	35-43g/100ml	7-11	Not Soluble	60-80g/100 g	≤820°C

#### **Iridesium 3307 Applications**

Decorative Paints	Printing Inks	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Hiding Power ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 305M**

***The most popular Solar Gold in plastic application!***

#### **Features:**

1. Based on high quality natural mica with very strong hiding power, it brings out a neat Solar Gold effect from all angles, which makes plastic products beautiful and elegant.
2. Higher shear resistance compares to other gold products, suitable for all plastic processes especially extrusion. Color fading is controlled to the minimum in plastic application.
3. Narrow particle size distribution, excellent for printing ink application, no sieve blocking issue.

#### **Iridesium 305M**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	3.2-3.6 g/cm <sup>3</sup>	35-43g/100ml	6-11	Not Soluble	55-75g/100 g	≤800°C

#### **Iridesium 305M Applications**

Plastics	Printing Inks	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
Same color from all angles ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Non color fading ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★		

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 305L**

***The most economical Solar Gold in the world!***

***The effect is double of regular gold while the cost is only 25% more!***

#### **Features:**

1. The thicker mica carrier makes the shear resistance increase 50%! This characteristic benefits plastic application the most, especially with twin screw extrusion process where broken pearl is a major concern.
2. The thicker mica also makes its sparkle effect 100% more than other products. This outstanding feature demonstrates the most in decorative paints.
3. Hiding power increases 40% compares to regular gold.
4. Metallic effect increases 100% compares to regular gold.
5. When applied on the mass tone, it interferes with the mass tone very little due to its very light base color.

#### **Iridesium 305L**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	10-60µm	3.1-3.6 g/cm <sup>3</sup>	35-43g/100ml	6-11	Not Soluble	60-80g/100 g	≤800°C

#### **Iridesium 305L Applications**

Plastics	Decorative Paints	Printing Inks	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Shear Resistance ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Mirror Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
	Metallic Effect ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★	

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 3310**

***The only transparent Solar Gold in the world produced with Pritty “in house” technology!***

#### **Features:**

1. Base color is extremely light, almost transparent, ideal for color tinting.
2. Provides 24 carats authentic gold effect in coatings when applied on metal substrate.
3. Ultimate sparkle effect, a great choice for glass coating and ceramic enamel.

#### **Iridesium 3310**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	3.1-3.6 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	65-85g/100 g	≤820°C

#### **Iridesium 3310 Applications**

Decorative Paints	Printing Inks	Glass Coating	Plastics
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Transparency ★ ★ ★ ★ ★	Transparency ★ ★ ★ ★ ★
Sparkle ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★		Dispersion ★ ★ ★ ★ ★
Transparency ★ ★ ★ ★ ★			

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 3311**  
*The reddest gold!*

**Features:**

1. Extremely strong metallic effect: after color mixing, it can replace metallic pigments in some applications.
2. Every single particle in this product sparkles noticeably! It is an excellent choice of any application requiring extremely sparkle effect, such as package printing, fabric printing, decorative paints, powder coatings, etc.
3. Reddish shade with very high saturation and strong hiding power. A smaller dosage can bring out remarkable effect.

**Iridesium 3311**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	3.1-3.6 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	65-85g/100 g	≤820°C

**Iridesium 3311 Applications**

Decorative Paints	Printing Inks (screen printing)	Powder Coatings
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Sparkle ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★		Sparkle ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 3315**

*The most popular Solar Gold in grout application!*

#### **Features:**

1. A pure golden tone with greenish hue, plus great color saturation.
2. More sparkle, higher luster, stronger color saturation. The wonderful combination contributes amazing effect to decorative paints. Middle East and North Africa people specifically bias to this effect.
3. The metallic effect reveals to the ultimate when applied on black background.
4. Suitable for tinting in some special ink applications.

#### **Iridesium 3315**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	3.1-3.6 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	65-85g/100 g	≤820°C

#### **Iridesium 3315 Applications**

Grout	Decorative Paints	Screen Printing
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Sparkle ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★	Particle Size Distribution ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 3316**

***The richest metallic Solar Gold  
produced with Pritty “in house” technology!***

#### **Features:**

1. A unique add to Pritty Gold Rush family. It reveals a rich gold effect with a luxury taste to the final products.
2. Extremely saturated color with sparkle and shining effect, perfect for decorative paints and wallpaper applications.
3. Among all gold products, it offers the best saturation, the highest hiding power, with ultimate luster. The combination imparts an impressive effect to screen printing application.
4. It brings out a remarkably strong metallic effect even applied on white background.

#### **Iridesium 3316**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	3.1-3.6 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	65-85g/100 g	≤820°C

#### **Iridesium 3316 Applications**

Decorative Paints	Printing Inks
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 3365**

***The most sparkle greenish Solar Gold in the world!***

#### **Features:**

1. Extremely sparkle, along with a greenish shade! Designed for applications that look for sparkle effect from distance, such as grout, background decoration and wallpaper.
2. Normally pearls with bigger size are difficult to achieve higher color saturation but Iridesium 3365 is an exception. The bigger sparkle particle and the color saturation bring out an eye-catching effect in art paint and some decorative paints.
3. Russia and East Europe are in favor of this product in decorative paints and wallpaper ink industry, for its distinguished effect.

#### **Iridesium 3365**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	40-200µm	3.0-3.5g/cm <sup>3</sup>	30-45g/100ml	7-11	Not Soluble	70-90g/100 g	≤820°C

#### **Iridesium 3365 Applications**

Grout	Decorative Paints	Screen Printing
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Sparkle ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★	Luster ★ ★ ★ ★ ★
Luster ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★
Color Shade ★ ★ ★ ★ ★	Sparkle ★ ★ ★ ★ ★	Color Shade ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





### **IRIDESIUM 3366**

***A dazzling star of Pritty Gold Rush family!***

#### **Features:**

1. This is a unique metallic gold product developed under Pritty patent: regardless the very big particle size, it reveals the strongest metallic effect, the highest color saturation and the most exaggerating sparkle effect.
2. Even with very small dosage, it still offers eye-catching dazzling effect for decorative paints, wall paper and packages.
3. The hiding power is so strong: it brings out remarkable metallic effect even applied on white background.

#### **Iridesium 3366**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	30-100µm	3.1-3.6 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	65-85g/100 g	≤820°C

#### **Iridesium 3366 Applications**

Decorative Paints	Printing Inks
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	Particle Size Distribution ★ ★ ★ ★ ★

One star=satisfactory, five stars=outstanding; according to industry standards.





**IRIDESIUM 3725**  
**Bronze Powder substitution!**

**Features:**

1. As a pure mineral, it has no heavy metal concentration; therefore it complies with all European and North American Regulations for toys, food packages, even cosmetics.
2. By naturality, pearl's hiding power is limited. The hiding power of Iridesium 3725 is 200% more than regular pearl's, it is a MILESTONE solution to applications requiring stronger hiding power.
3. Pearl has very stable physical structure. It is completely compatible with both solvent-borne and water-borne system. When Bronze Powder is used in water-borne system, the color of the final product changes or turns black. This is where Iridesium 3725 offers breakthrough solution.
4. Pearl is Non-hazardous chemicals, there is zero risk of explosion, it is 100% safe and extremely easy for storage, transportation and use. Bronze Powder is metal, it has the possibility of explosion which has huge limits.
5. Bronze Powder's density is about 2.5 times of Pearl, therefore pearl's settling speed in the binder is much slower. The final product with Iridesium 3725 can last for a long time without affecting the effect.

**Iridesium 3725**

Physical Form	Particle Size	Density	Bulk Density	pH Value 10% Aqueous Slurry	Solubility in Water	Oil Absorption	Heat Resistance
Dry Powder	5-25µm	2.8-3.4 g/cm <sup>3</sup>	32-45g/100ml	7-11	Not Soluble	60-85g/100 g	≤300°C

**Iridesium 3725 Applications**

Printing Inks	Stationary Paints	Plastics	Decorative Paints
Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★	Total ★ ★ ★ ★ ★
Brightness ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★
Color Saturation ★ ★ ★ ★ ★	Color Saturation ★ ★ ★ ★ ★	Dispersion ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★
Hiding Power ★ ★ ★ ★ ★	Hiding Power ★ ★ ★ ★ ★	Shear Resistance ★ ★ ★ ★ ★	Brightness ★ ★ ★ ★ ★
Metallic Effect ★ ★ ★ ★ ★	No Heavy Metal Concentration ★ ★ ★ ★ ★	Heat Resistance ★ ★ ★ ★ ★	Metallic Effect ★ ★ ★ ★ ★
Water Resistance ★ ★ ★ ★ ★		Metallic Effect ★ ★ ★ ★ ★	Water Resistance ★ ★ ★ ★ ★
Particle Size Distribution ★ ★ ★ ★ ★			

One star=satisfactory, five stars=outstanding; according to industry standards.

