

## 50000 – 50990 Pearl Luster Pigments

These high quality pearlescent pigments consist of mica or borosilicate flakes coated with metal oxides in an elaborate process that makes them extremely lightfast and eminently suitable for artists' paints.

Mixtures with translucent pigments achieve a whole new range of pearlescent hues. Milori blue or phthalo blue with an Ekaton white pearl luster pigment results in a blue metallic color; phthalo blue or green with Colibri gold results in intense green metallic colors. Any transparent pigment can be added to obtain new effects.

### IRIODIN®

Thin natural mica flakes are coated with a thin layer of metal oxide, such as titanium dioxide and / or iron oxide. Through a combination of transparency, refractive index, coating thickness and multiple reflections varied color effects are produced, such as those found elsewhere only in nature - silver white, interference, gold and multi-colored metallic luster effects.

### MIRA (MIRAVAL)®

Pigments based on synthetic borosilicate flakes (a type of synthetic gem) have extremely smooth surfaces. With its brilliant and colorful sparkle and strong shine they give surfaces a certain air of extravagance: extraordinary sparkle, brilliance and high gloss, high transparency and unique rainbow effect. The MIRA pearlescent pigments are almost colorless, transparent pigments. On a dark background they give a colored glitter effect that is particularly brilliant in glossy binders.

### Pyrisma®

These pigments are based on natural muscovite mica with a special titanium interference layer. The hue angle of each variety of Pyrisma® was determined by use of advanced complex colorimetric calculation. With their exceptional color saturation and the especially developed particle size distribution these pigments set a new standard. Their excellent performance and their resistance to environmental influences make them especially suitable for outdoor applications. The product group covers the largest color space which can be achieved with eight interference pigments. All Pyrisma® have particle sizes of 5 - 35 µ.

### COLORSTREAM®

ColorStream® pigments differ from conventional pigments in their physical and geometric properties. They are based on synthetically manufactured, optimally coplanar SiO<sub>2</sub> (silicon dioxide) platelets coated with metal oxides. Their production is similar to that of thin quartz wafers used in modern computers. The very thin and flat pigment particles enable exceptional angle-dependent interference effects. We call this magnificent multi-color "MAGIC". In combination with other pigments - so called stylings - the ColorStream® effect pigments show to best advantage.

## EFFECT®

Effect Pigments® are products with individual product-specific properties, such as exciting colors and excellent weather stability. The coloristic properties in combination with the small particle size of these products make it possible to create layers of intense color with a silky-soft texture.

## XIRALLIC®

Xirallic® shows a very intensive glitter effect with a distinct gleam and is characterized by strong and very pure colors. The effect is intensified by sunlight. By coating with titanium dioxide in different thicknesses silver effects and interference pigments in gold, red, blue and green are produced. The coating with iron (III) oxide leads to bronze, copper and red effect pigments. The entire property profile allows for easy processing in all areas of application. Glittering and shimmering Xirallic® pigments show spectacular results especially in thin coats. In direct sunlight a firework of glitter effects unfolds with XIRALLIC® formulated paint or varnish. All pearlescent pigments are suitable for each of the regular binder systems, such as watercolor, oil, or acrylics.

## Pearlets®

There are some new silver and gold pearlescent pigments in granulated form, small beads 1 to 15 mm in diameter. The same amount Pearlets® has about half the volume of the powdered pigment. The dust-free beads dissolve rapidly in water or solvent. The solvent-soluble quality is also suitable for UV coatings.

## COLIBRI - CHROMA - MIRA (MIRAVAL)®

The opaque metallic luster pigments we named COLIBRI, for their likeness to the colors of the feathers of Colibri birds. The transparent, white powder varieties are called CHROMA or MIRA. They give bright colors on a dark background, or when mixed with a little bit of lamp black.

Some pigments are available with special **weather-stabilized** equipment. These pigments are marked with the letter **W**.

All pearlescent pigments can be mixed with transparent pigments and dyes. The transparent silver pigments give a metallic gleam by mixing them with a small amount of lamp black. Many of these pigments produce a strong color-enhancing effect on dark or colored backgrounds.

## Weight and volume of pearlescent pigments

Kremer Pigments offers the very light pearlescent pigments only by specifying the sale weight. The bulk density of pearlescent pigments is 150-350 g/l, depending on the type and color; e. g. 50 g of pearlescent pigment has a volume of about 150 – 350 ml, and 100 ml of pearlescent pigment usually weighs about 15 – 35 g.