



Pearl Gloss Pigments

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■ General

Lustre is fascinating, lustre shows value. Precious metals, pearls, crystal, jewels and silk were always in great demand. The eye can distinguish the smallest nuances from gleaming to resplendence and sparkling. Pearls are forming from a grain of sand getting into a mussel, and the mussel covers the with thin layers of protein and calcium carbonate. Interference colours results from different reflections in different depths. The iridescent play of colours is well known from feathers, butterflies and beetles. These effects can be imitated with Kreidezeit Pearl Gloss pigments.

■ Properties

Physiologically harmless, can also be used in food packaging and coatings for children's toys. Resistant to diluted acids and alkalis. Environmentally friendly, practically insoluble in water and free of heavy metals. Non-combustible and weatherproof. Heat resistant up to 800 °C. Vegan.

■ Composition

Pearl Gloss pigments have a core of natural mica coated with one or more layers of metal oxide.

Silver luster pigments

Mica core coated with a thin layer of titanium dioxide.

Interference pigments

Mica core coated with a significantly thicker layer of titanium dioxide. Certain colour effects can be achieved by precisely maintaining defined layer thicknesses. In the angle of gloss, for example, a shimmering green is visible, while in transmitted light the complementary colour (red) is visible.

Gold luster pigments

Mica core, coated with two layers of titanium dioxide and iron oxide.

Metallic luster pigments

mica core with an iron oxide layer.

■ Colours

Various gold, silver and metallic lustre pigments. Interference pigments in red, blue and glitter gold. Please note our colour chart Pearl Gloss pigments (Art. 833).

■ Application

Pearl Gloss pigments only have an effect if they are applied in a colourless binder, e.g. Wall Glaze Binder, Multi Purpose wax, floor oils, waterglass, or they are applied to Stuccolustro or Tadelakt with the soap layer. The content of Pearl Gloss Pigments on the binding agent content should not exceed 5-8%. For one litre of Multi Purpose Wax, for example, approx. 50g pearlescent pigment is needed.

■ Notes

Do not mix different interference pigments with each other; the result is not a new interesting colour shade, but an unattractive grey. Do not mix Pearl Gloss Pigments with other pigments, the gloss effect is immediately lost. The gold, silver and metallic lustre pigments can be mixed together.

The application of Pearl Gloss Pigments on opaque coloured substrates allows many other colour effects; there are no limits to your imagination.

■ Mixing The Pigments

The desired binding agent should be mixed thoroughly but gently (kitchen mixer, wood stirrer, whisk). Since the thin pigment plates are fragile, a strong mechanical treatment would lead to a loss of gloss, please do not use a high-speed mixer.

■ Container Sizes

Kreidezeit Pearl Gloss Pigments are available in packs of 10g and 50g. For prices please refer to the valid price list.

■ Storage

When stored dry, Pearl Gloss Pigments have a practically unlimited shelf life.

■ Disposal of Residues

Do not dispose of residues in the sewage system. Dried residues can be disposed of with normal household litter. Disposal of empty containers through resource collection points.

■ Hazard Classification

None, non-dangerous product.

■ Warning

Pay attention to possible natural substance allergies. Keep out of reach of children.

The information above was determined based on our most recent experiences. Due to processing methods and environmental influences, as well as the varying nature of the substrates, liability for the general validity of the individual recommendations is excluded. Users must test the product prior to application to ensure it is fit for the designated purpose (sample coating).

This document is no longer valid if a new version is published or the product is modified. The latest product information is available at Kreidezeit directly or on the Internet: www.kreidezeit.de.