

When pearl pigments are used with epoxy resin, they exhibit several characteristic properties. Here are some common characteristics of pearl pigments when incorporated into epoxy resin:

- 1. Pearlescent or iridescent effect:** Pearl pigments create a shimmering, pearlescent, or iridescent effect in epoxy resin. They contain coated mica particles that reflect and refract light, producing a multi-dimensional appearance with a play of colours and a luminous sheen.
- 2. Soft and subtle colour shifts:** Pearl pigments offer subtle colour shifts and variations depending on the viewing angle and lighting conditions. As light interacts with the coated mica particles, it can create beautiful colour variations and a sense of depth within the resin.
- 3. Transparency and translucency:** Pearl pigments are typically translucent in nature, allowing light to pass through the resin layers. This transparency helps to maintain the luminosity and depth of the pearl effect while allowing underlying layers or objects to show through.
- 4. Complementary to transparency:** Pearl pigments work exceptionally well with transparent or translucent epoxy resin. When combined, they enhance the resin's clarity and transparency, allowing the pearlescent effect to shine through and interact with the colours or objects beneath the resin surface.
- 5. Versatile blending and layering:** Pearl pigments can be easily blended and layered to create custom colours and effects. They can be mixed with other pigments or added in varying concentrations to achieve different levels of intensity or opalescence. Layering multiple coats of pearl pigmented resin can enhance the depth and brilliance of the pearlescent effect.
- 6. Compatibility with different mediums:** Pearl pigments are compatible with various mediums, including epoxy resin. They can be used in combination with other pigments, dyes, or additives to achieve unique colour effects and enhance the visual appeal of resin art, jewellery, or other epoxy resin projects.
- 7. UV stability:** Some pearl pigments are formulated to be UV resistant, ensuring their colour and shimmer remain stable even when exposed to sunlight or UV radiation. This makes them suitable for projects intended for outdoor or long-term display.
- 8. Non-reactive with epoxy resin:** Pearl pigments are generally non-reactive with epoxy resin and do not interfere with the curing or chemical properties of the resin. They can be mixed and applied to epoxy resin without compromising its integrity or curing process.

It's important to note that the specific characteristics and effects may vary depending on the brand, colour, concentration, and application techniques used with pearl pigments. Experimenting with different colours, layering techniques, and lighting conditions will help you explore and harness the unique qualities of pearl pigments in your epoxy resin projects.