

INFORMATION SHEET - POWDER COATING

ALL KLIME-EZEE PRODUCTS HAVE A DURABLE HIGH GLOSS POWDER COATED FINISH

Durable High-Gloss Finish

Klime-Ezee products are crafted with a durable, high-gloss powder-coated finish. This tough and shiny coating not only enhances the product's appearance but also provides excellent protection against rust. Its smooth surface makes cleaning quick and effortless.

Premium Quality Paint

We use high-grade exterior-quality powder that delivers a flawless finish while shielding against UV damage, ensuring long-lasting performance. Our powder complies with European ROHS 2002/95/EC and 2011/65/EU directives, demonstrating our commitment to safety and sustainability.

Powder Coating Composition

Our powder features polyester agents, specifically Carboxyl Polyester Resins, making it ideal for both indoor and outdoor applications. This finish is scratch-resistant and offers UV protection, significantly extending the product's lifespan.

What is Powder Coating?

Powder coating is a solvent-free, environmentally friendly finishing process where electrostatically charged powder particles are applied to a surface.

- **Durability:** Powder coatings can last 20 years or more with proper care, resisting wear and degradation.
- **Environmental Benefits:** The process emits minimal to no volatile organic compounds (VOCs), making it a greener alternative to liquid paints.

Application Process

1. **Preparation:** Prior to the powder application, products undergo thorough inspection and cleaning to eliminate any debris. This crucial step ensures optimal adhesion and a smooth finish.
2. **Powder Application:** The cleaned product is transported to our spray booth, where an electrostatic process applies the powder. Given the complexity of our products, this is done manually to guarantee full and even coverage.
3. **Curing:** Post-application, products are cured in our oven at 200 degrees Celsius (392°F) to achieve maximum adhesion and durability. This process ensures a hardwearing surface that lasts for years to come



Colour Variability

We proudly offer six standard colour options, each carefully chosen for their vibrancy and excellent coverage during the powder coating process. These colours have been selected to ensure a high-quality, consistent finish that meets both aesthetic and durability standards.

If you require a custom RAL shade, we are happy to accommodate your request. However, please note that exact colour matching can vary due to factors such as differences in pigments, manufacturing processes, and application techniques. These variables may result in slight deviations in the final appearance of the product.

It is important to consider that lighter colours, such as yellow and white, often require multiple layers of coating to achieve uniform and satisfactory coverage. In some cases, these colours may need three or more coats, which can subtly influence the final shade.

Maintaining Your Powder-Coated Products

To ensure the longevity and performance of your powder-coated products, regular maintenance is crucial. We recommend conducting a thorough maintenance inspection at least once every six months. This will help identify any potential issues early and keep your products in optimal condition.

- **Cleaning:** Regularly clean the surface to remove dirt, oils, and other contaminants. This will not only maintain the appearance of the coating but also prevent the accumulation of substances that could affect the finish.
- **Storage:** When not in use, store your powder-coated items indoors in a dry, clean environment. This will protect the coating from exposure to harsh weather conditions, pollutants, and other environmental factors.
- **Touch-ups:** For minor chips or scratches, we recommend using colour-matched touch-up paint, which is available from us or most reputable auto body shops. Prompt attention to these areas helps maintain the integrity of the finish.
- **Important:** Certain chemicals, abrasives, or household cleaning products may damage the powder coating. Always test a small, inconspicuous area first to ensure compatibility before using any new cleaning agents or chemicals on your product.

If you need further guidance on the powder coating process, its benefits, or maintenance recommendations, please feel free to contact us. We're happy to provide additional information and support to help you preserve the quality of your products.