



Tips on How to Store Powder Coating

When it comes to storing powder coating, there are some factors that should be considered to ensure your powder lasts for a long time and is ready to use for every application.

1. Storage Stability Timeframe

Storage stability timeframe refers to the period during which the powder can be stored without any significant changes in its attributes or degradation. It is important to note that this factor differs for different types of powders. Please make sure to read the product data sheet (PDS) to keep in mind the specific powder's storage stability timeframe.

2. Temperature

As a rule of thumb, powder coating should not be stored in extreme temperatures. In fact, the most ideal temperature for powder coating storage is no more than 77° F or 25° C. Additionally, make sure that the powder is not exposed to direct sunlight or heat for long periods of time as this can cause the powder to form lumps and degrade.

3. Humidity

Powder coating is susceptible to absorbing moisture when it is exposed to high humidity. This can lead to clumping which can further lead to poor adhesion, curing problems, and orange peel. To avoid this, store powder coating in a humidity-controlled environment, typically between 40% and 60% relative humidity.

4. Additional Guidelines

- Powder coatings should be stored in their original packaging or in tightly sealed containers to prevent exposure to air, moisture, and contaminants.
- Implement an inventory system that promotes powders that came in first, to be used first (first in, first out). This helps in using powders within their recommended storage stability timeframe.
- Regularly monitor the storage environment by measuring the temperature and humidity levels to keep them within the recommended ranges.
- Always handle powder coating with gloves to avoid transfer of moisture and contaminants.

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