

About Powder Coating

Powder Coating is a dry process by which selected items are coated with ground up paint particles in powder consistency then cured by heat to form a skin. Powder is a high-quality finish found on thousands of products you come into contact with each day such as household appliances, furniture, automotive and playground equipment and is used as a functional, protective coating as well as a decorative finish.

Many companies specify powder for its high-quality durable coating, improved efficiencies and excellent performance properties.

The Powder Coating creates a hard finish that is tougher than conventional paint and is durable enough for the rigors of industrial applications.

Powder coatings have been shown to possess significant durability and resistance to abrasion, corrosion, scratching, and chemicals when compared to liquid coatings. It protects the toughest machinery as well as the household items you depend on daily, while still providing an attractive finish.

Powder coating is extremely resistant to moisture and heat and can withstand a large range of temperatures, and extreme weather conditions.

Advantages of Powder Coating;

- Durability – Powder Coating provides a more durable coating than conventional paints, whilst providing an attractive finish which lasts a long time.
- UV Protected – Powder Coating is resistant to Ultra Violet light, colours stay bright and vibrant.
- Environmentally Compliant – The powder coating process is virtually pollution free making it an environmentally preferred coating.

Environmental impact of Powder Coating;

- Powder Coating is a clean process. Environmental advantages have led the way for the conversion of liquid coatings to powder coatings.
- Pollution Free - Powder coating contains no solvent, and thereby the process emits negligible, if any, polluting volatile organic compounds (VOCs) into the atmosphere.
- Energy Efficient - Exhaust air from the coating booth, can be returned to the plant requiring less heating and cooling of outside air to supply oven exhaust air.
- Recyclable - Powder coating over-spray can be retrieved and re-used.
- Less Hazardous Waste – Production lines produce less hazardous waste than liquid paints.

Most organic solvents (thinners, etc.) are completely ineffective at removing powder coating, which makes powder coating the best surface coating for a variety of uses including the storage of these solvents.

All Stow High painted surfaces are powder coat finished.