



NEPC
North Eastern Powder Coatings

Powder Coating vs Wet Paint

Paint vs powder? Is the most common question we are asked on a weekly basis. North Eastern Powder Coatings is an established company founded in 1993. We provide a wealth of experience and expertise in powder coating and wet paint.

We will try and tackle the confusion of what each process involves in this document, starting with Powder Coating.

Powder coating

Improvements in application techniques have meant small decorative items to large components are suitable for powder coating. From Garden Gates, Bike Frames and Spoked Wheels, powder coating is now available for smaller items rather than just the mass production.

Equipment for powder coating is more expensive than wet paint systems, for example, the gun alone can cost £5000. The paint is purchased in powder form, hence the name. It is temporarily stuck to the metal with an electrostatic attraction.

To sum up why you possibly should choose powder coating over paint we have listed the benefits below:

- Significantly more durable than conventional wet paints extremely resistant to chips, abrasion, heat, UV light, fuel and chemicals
- Environmentally friendly - no hazardous materials or disposal concerns
- Can be less expensive than liquid coatings with superior results possible
- Wide selection of OEM and custom colours available including translucent and metallic
- Consistent application - no runs, drips or sags
- Extremely quick - part is ready for service in less than an hour after heat cure
- Proven award-winning results!

Ideally, the component should be chemically pre-treated to reduce corrosion and one coat of powder is not enough it should really have a primer

Wet Paint

We have a comprehensive Wet Paint Coating Facility which uses the latest technology to deliver quality surface finishes.

The surfaces we paint includes:

- Zinc coated or galvanised steel
- Cast Aluminium
- PVDF
- Aluminium
- Sheet Fabrications
- Plastisol Coated Steel Cladding

The life expectancy for painted components that have been painted by a reputable company is between ten and twenty-five years.

As the coatings ages, degradation may manifest itself in several ways: corrosion, rust, filiform corrosion, UV degradation, chalking, loss of adhesion and de-lamination. If you ever see a component that has a patchy white chalky appearance you know it is suffering from UV light degradation. Certain colours are more susceptible to chalking than others.

Only recently have new generation water- based systems become popular which are more tolerant to variable application conditions and are capable of being applied on site and provide the kind of performance previously only achieved by solvent based paints systems.

We offer a 3 coat primer, Intermediate and Top Coat System and our wet paint comes in Gloss Satin, Eggshell or matt.

If you have any Powder Coating or Wet Paint requirements get in touch 0191 417 7536 or email sales@nepcltd.co.uk