

# Powdertech (Corby) Ltd



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## CPD Overview

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With an unrivalled reputation for quality, reliability and professionalism, Powdertech has become the "go-to" firm for British and international architects who are looking for striking, weather-resistant powder coating finishes that will stand the test of time and create a memorable finish for their buildings.

Powdertech are architectural metalwork powder coating applicators with our own unique brands and a philosophy of support throughout the construction process to deliver what is specified.

Powder Coating is the application of organic powder by electrostatic attraction to metal. Once cured by heat the finish is an even and continuous, hard skin. All processes are factory applied under controlled, stable conditions. This provides significant benefits over traditional wet spray painting.

Up to 70% of wet paint is solvent to keep the binder and filler parts of the coating in liquid suspension. It is these solvents that cause many of the environmental problems for wet paints as they contain pollutants in the form of volatile organic compounds amongst other substances. Sprayed wet paints can travel long distances even in mildly windy conditions and the chemicals will affect plants, people, animals and building surfaces. Paint residues on the ground can enter the water system and can also cause marine, river and lake contamination.

Powder coatings are dry powders and free of such substances. Any waste material is inert though there is little waste as the process takes place in a sealed booth. Any powder that is over sprayed and doesn't adhere to the surface, is collected, filtered and re-used. The powder efficiency of the process can reach over 95%.

Wet paint spray curing depends on atmospheric conditions and curing between successive coats. Powder coating is a one-coat system, cured in controlled conditions and over known time. Wet paint may need several layers applied over days whereas powder is one layer cured in 20 minutes.



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**Available CPD Material (1)**

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Multiple formats

**Architectural Powder Coating. A practical Guide from the Guys who Actually Apply the Finishes.**

This Powder Coating, like icing on the cake, is the part of the construction process that gets you noticed. All the technical work that goes into making your vision a reality can be ruined with poorly specified or applied powder coating. This CPD is your guide to how to ensure that your vision is protected for years to come.

By the end of the CPD you should have a greater understanding of:

- The powder manufacturing process
- The powder application process
- The relevant standards to be aware of
- The 3 most common problems with designing for successful powder coating
- The awareness of the health and Safety aspects of powder coating and the fire requirements for compliance

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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## Classifications

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### Subject/Product Areas (CI/SfB)

General products

Paints, varnishes, protective treatments etc. > Coatings and finishing treatments for metals

### RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*