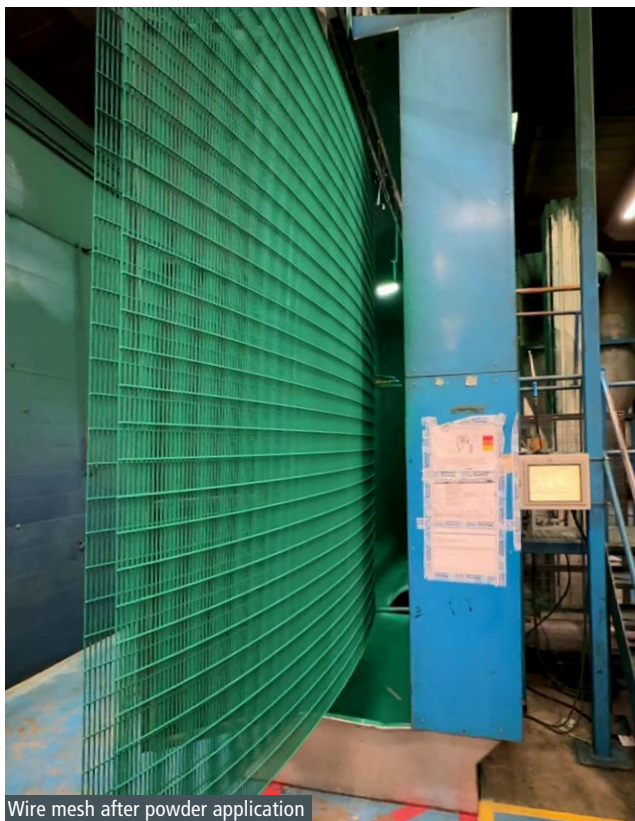


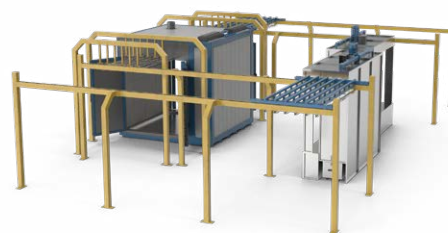
## POWDER COATING FINISHES



Wire mesh after powder application



Coating powder



Powder coating conveyor line example

Before any products are coated they are first hand fettled to remove any imperfections due to the galvanising process, this also includes an inspection, including checking that the product will drain thoroughly, allowing us to give the product a smooth finish.

The product is then loaded on to the computer controlled line to go through the various processes. The computer monitors all of the processes such as the strength of the acid and the oven temperature, and if any of the many parts of the processes that are monitored are outside of the operating parameters, the system will alarm and shut down to ensure that all products are coated to the correct standard.

### Process

- The first is an acid clean that removes light rust or oil from the surface.
- Followed by two rinses to ensure that all of the acid is removed.
- The next stage is a polymer, this acts as an undercoat to the powder, and the surface is then further rinsed to remove excess polymer with demineralised water. The product will then be passed through a dry off oven to dry the product prior to the application of the powder.
- The powder is applied by 6 fully automatic reciprocating electrostatic powder guns that apply the powder to the product. The thickness of the coating is determined by the 'charge' the guns apply to the powder and will typically have a minimum of 80 microns.
- The product then goes to the curing oven, where the temperature is between 180-200 degrees centigrade. The powder is then cross-linked and forms a film over the product.

### ACCREDITATIONS

The pre-treatment, application and quality management have been inspected and tested by Azko Nobel Powder Coating Ltd and conform to the requirements for Approved Architectural Status.



Jacksons Fencing is an approved architectural applicator of Interpon D products conforming to BS EN 13438:2005