

# EC and Powder coating

Powder coating on an electrode coating layer, with a zinc manganese phosphating at the base, gives excellent corrosion protection for all types of environments. This process can therefore be used for interior and exterior purposes when high corrosion performance is required.

The process is a suitable surface treatment for resistance to moisture, stones and gravel but can also be used as a decorative surface treatment for outdoor use as the EC varnish provides excellent corrosion protection under the powder layer. Pre-treated in spraying processes, the EC coating is applied by dipping and powder coating by spraying.

## Suitable application areas

This process can be applied on steel, zinc, aluminium, castings, etc. Such as sheet metal, pipes, vehicle chassis and construction machinery components.

## Properties

Contributes to a more sustainable life cycle for your product. The process has a very good penetration capacity in geometrically complicated components and provides very good resistance to mechanical wear. The application temperature range is  $< +200^{\circ}\text{C}$ .

## Corrosion Performance

Complies with VOLVO STD 121-0001 / Y600-3 - Y600-4 and Scania 4111-B3-PP - 4111-D3-PP.  
Complies with the ELV and RoHS directives.

## Appearance

We coat in several current colours for the automotive industry and take inquiries on other colours according to the RAL chart.



Scan the QR-code or visit [protonfinishing.com](https://protonfinishing.com) if you want to know more about our surface treatments, our sustainability initiatives or our facilities.

Do you have an RFQ? Please email : [sales.finishing@protonfinishing.com](mailto:sales.finishing@protonfinishing.com)

**CORROSION  
PROTECTION FOR  
ALL TYPES OF  
ENVIRONMENTS**