

## ROMAX™

### Description

Romax™ powder coatings are formulated from epoxy, polyester, hybrid or bio-sourced resin, heavy-metal-free pigments and a functional filler. REACH-compliant, they replace solvent-based coatings, are recyclable and contain no volatile organic compounds. Resistant and developable to specifications, they are designed for severe industrial applications in terms of anti-corrosion resistance, electrical and thermal conductivity, dielectric resistance, friction control and self-lubrication.

### Treatable materials

Romax™ powder coatings are specially designed for all ferrous metals, steel and cast iron, copper alloys, aluminum and its alloys, zinc and its alloys and plastics.

### Application examples

- Anti-corrosion coating

Mechanically welded assemblies in aggressive, marine or aquatic environments

- Dielectric coating

Rigid electrical connections (connecting bars, busbar, etc.)

- Conductive coating

Electromagnetic shielding, electronic housings

- Low-friction coating

Joint bushings

- Self-lubricating coating

Friction parts, bearings, bushings

### Implementation

Powder coatings can be applied by electrostatic spraying, fluidized bed or dip coating. In most cases, application to parts is straightforward, requiring no undercoating or mechanical (sandblasting, sanding) or chemical surface preparation.

### General technical application data

- Minimum coating thickness
  - 30 µm (100 µm for epoxy coatings)
- Application temperature
  - 150°C (up to 100°C for low-temperature polymerization coatings)

### Benefits

- Anticorrosion coating

Fewer layers, lower maintenance costs, increased lifetime

- Dielectric coating

Up to 5kV in a single layer, reduced thickness, shorter application time

- Conductive coating

Weight savings, conductivity close to that of metals, replacement of conductive grids

- Low-friction coating

Reduced wear, better assembly control

- Self-lubricating coating

Reduced friction, simplified assembly, no lubricants (cleanliness)

- Any coating

Possibility of post-treatment: tin plating, Nicalc™...