

Cubson Powder Coating, Solutions for Anti-corrosion Thermal Applications

With the cost of corrosion rising to US 3.2 Trillion annually, or close to ~3% of the global GDP*. Graphene incorporated in powder coatings from polyester and epoxy resins increase the corrosion resistance of steel and aluminum, as well as increase the resistance to aging of the coatings.

Eco-friendly

The use of (GO) in our formulations results in an anti-corrosion solvent-free coating that has eco-friendly application for the replacement to chromium (VI) based coatings.

Highly exposed Area.

Reduces liquid permeation by increasing tortuous path effect.

Hydrophobic qualities

Barrier to water, water droplets have less adherence on the surface. Oxygen and other corrosive materials such as chloride, sulfates etc.

Conductivity barrier

Graphene Oxide (GO), which is an oxidized form of Graphene, provides an electrical insulation since it lacks the conductivity of graphene, thereby retarding the corrosion process.

Graphecoat'' technology was financed by the Center for Industrial Technological Development (CDTI) and co-financed by the European ERDF funds.