

Anticorrosion

Definition

Corrosion : Materials degradation (metals, ceramics, composites) induced by physicochemical reactions along with the environment (water, temperature, acidity, salt) which leads to their degradation

Loss

+157 Mt degraded/year



Corrosion cost
+1000 bn €/year

+21,000 Eiffel Tower/year

Challenges



Security



Economy



Environment

People & goods

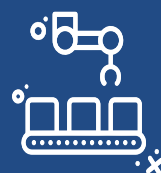
Financial & material

REACH compatible

Relevance



FAST DEVELOPMENT AND IMPLEMENTATION



REDUCED SCALE-UP INVESTMENT

L'eau de graphène

L'eau de graphène is an unparalleled, stable and high quality graphene dispersion. This new form of exfoliated graphene, without functionalization nor additives, allows to use the full barrier potential of graphene for the industry



Asset

Homogeneous properties



Very thin



Chemical neutrality allowing a high stability

Polyfunctional



Biodegradable



Properties

Resistance against high temperature, extreme pH and radiation

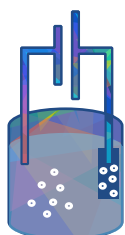
Barrier effect
Impermeable film against gas and water

Chemical neutrality allowing a high stability

Surface treatments

Electrodeposition

Inkjet



Simple and safe application, an uniform deposition of graphene even in a small amount is enough to sustainably protect the surfaces against corrosion

Formulations

Semi-Custom

