

The Global Market for Nanocoatings 2021-2031

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Abstracts

The use of advanced, protective nanocoatings to mitigate bacteria, viruses and environmental damage is growing. Conductive coatings are also finding wide application in energy (mainly batteries) and electronics markets and making significant inroads in healthcare, filtration membrane and hygiene markets. The Global Market for Nanocoatings 2021-2031 provides an analysis of market size and forecasts to 2031, all nanocoatings applications, growth prospects, impact of COVID-19 crisis, market challenges, market trends and drivers, opportunities and profiles of 445 companies developing nanocoatings from start-ups to multinationals (mainly in Asia).

Types of nanocoatings covered include:

Anti-fingerprint nanocoatings

Anti-fog nanocoatings

Anti-microbial and anti-viral nanocoatings

Anti-corrosion nanocoatings

Abrasion & wear-resistant nanocoatings

Barrier nanocoatings

Anti-fouling and easy-clean nanocoatings

Self-cleaning nanocoatings

Photocatalytic nanocoatings



UV-resistant nanocoatings

Thermal barrier nanocoatings

Flame retardant nanocoatings

Anti-icing and de-icing nanocoatings

Anti-reflective nanocoatings

Self-healing nanocoatings

Shape memory nanocoatings

Market for nanocoatings covered include:

Aviation and aerospace (Thermal protection, Icing prevention, Conductive and anti-static, Corrosion resistant, Insect contamination).

Automotive (Anti-scratch nanocoatings, Conductive coatings, Hydrophobic and oleophobic, Anti-fof, Anti-corrosion, UV-resistance, Thermal barrier, Flame retardant, Anti-fingerprint, Anti-bacterial and Self-healing).

Buildings and construction (Antimicrobial and antiviral coatings in building interiors, Antimicrobial paint, Protective coatings for glass, concrete and other construction materials, Photocatalytic nano-TiO2 coatings, Anti-graffiti, UV-protection).

Consumer electronics (Transparent functional coatings, Anti-reflective coatings for displays, Waterproof coatings, Conductive nanocoatings and films, Anti-fingerprint, Anti-abrasion, Conductive, Self-healing consumer electronic device coatings)

Household care and lifestyle (Self-cleaning and easy-to-clean, Antimicrobial, Food preparation and processing, Indoor pollutants and air quality)

Marine (Anti-corrosion, Abrasion resistance, Chemical resistance, Fouling



control)

Medical and healthcare (Anti-fouling coatings, Anti-microbial, anti-viral and infection control, Omniphobic device coatings (e.g. hearing aids), Medical textiles, Nanosilver, Medical device coatings, Light activated Titanium dioxide nanocoatings)

Military and defence (Uniforms, Military equipment, Chemical and biological protection, Decontamination, Thermal barrier, EMI/ESD Shielding, Anti-reflection)

Packaging (Edible coatings, Barrier films, Anti-microbial, Biobased and active packaging)

Textiles and apparel (Protective textiles, UV-resistant textile coatings, Conductive coatings, Antimicrobial)

Energy (Wind energy, Solar, Anti-reflection, Gas turbine coatings 375)

Oil and gas (Anti-corrosion pipelines, Drilling)

Tools and machining.

Anti-counterfeiting.

Report contents include:

Production and synthesis methods.

Market analysis by nanocoatings types and end user markets

Industry collaborations and licensing agreements.

Analysis of types of nanomaterials used in nanocoatings.

Global revenues, historical and forecast to 2031, by type, end user market and regional markets.



445 company profiles. Companies profiled include Bio-Gate, Tesla Nanocoatings, HZO, EnvisionSQ, P2i, Swift Coat, HeiQ Materials, OrganoClick, Nanosli Finland, Graphite Innovation Technologies, Reactive Surfaces, Kastus, Advanced Materials JTJ, Zen Graphene Solutions and many more. Profiles include company description, products, target markets and contact details.



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