

The World Market for Nanostructured Coatings

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Abstracts

Nanostructured coatings are opening up new market opportunities in the global coatings arena. Properties such as corrosion resistance, flame retardancy, UV stability, gloss retention and chemical and mechanical properties are improved significantly using nanostructured materials. Main end user markets for nanostructured coatings in 2010 were in construction and exterior protection (mainly in anti-weathering coatings), military and defense (anti-corrosion coatings for military vehicles and protective textiles for soldiers), household cleaning (easy clean and anti-microbial coatings for household surfaces applied as pre-coats or after treatment sprays) and automotive (anti-corrosion, thermal barrier and hydrophobic coatings). Nanostructured coatings are likely to replace traditional coatings in the medium to long-term in end use segments such as packaging, anti-microbial, architectural, industrial manufacturing, marine, wood, auto refinish, transportation and protective coatings. The global market for nanostructured coatings was \$1317 million in 2010. The market for nanostructured coatings will grow across all sectors over the next 5-10 years, with the medical, household care and food processing markets all experiencing large growth, driven by the need for improved sanitary facilities and also pushed by the vast improvements nanostructured coatings offer, from both a protective and destructive perspective. The military market will remain the largest market with anti-corrosion coatings increasingly applied. Anti-corrosion coatings will also drive revenues in the oil and gas industry, for protective surfaces in pipelines and harsh environments. The global market for nanostructured coatings is estimated to be valued at \$3515 million in 2015

Report contents

Production methods and coating types

Coatings segmented by type including Anti-fingerprint, Anti-bacterial/microbial,

Anti-scratch/corrosion/wear-resistant, Anti-fouling and Easy-clean, Self-Cleaning, UV resistant, Flame Retardant and Thermal Barrier

Key market players

Market structures, market drivers and revenues

Key end user markets including Aerospace & Aviation, Automotive, Construction & Exterior Protection, Household Care, Textiles, Medical, Energy, Military, Food & Drink, Tools and Marine)

Over 200 company profiles

Over 100 tables and figures

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