

Smart Coating Market - Forecasts from 2019 to 2024

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Abstracts

The smart coatings market was valued at US\$3.035 billion in 2018 and is expected to grow at a significant rate during the forecast period. Major driving factors behind the growth of the global smart coating demand are high implementation in various sectors such as military and defense, automobile, electrical and electronics, and others owing to a rise in demand for customization including smart self-repair, artificial intelligence, and sensing capabilities.

The smart coating demand is foreseen to rise aided by higher adoption of smart coatings in various sectors due to easier customization to meet customer demands, competitive advantages over traditional coating in various applications. The application of the smart coating in aero engines, and oil and gas platforms is rising due to its capability to indicate damages on various platforms. The smart coating is applied to reduce the overall weight of an aircraft. Smart coating demand will rise in both industrial and domestic verticals as these sensing types are gaining popularity due to their chemical and weather resistant qualities. Whereas, several factors such as high costs of raw materials, and unfavorable environmental regulations are expected to restrain the market growth opportunities in the coming years.

Segmentation

The smart coatings market has been segmented by type, sensing type, application and geography.

By Sensing type

Ionic strength

pH

Temperature pressure

Surface tension

Magnetic field

Mechanical forces

By Application

Construction

Military

Healthcare

Automotive

Aerospace

Consumer electronics

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Italy

Others

Middle East and Africa

Saudi Arabia

Israel

Others

Asia Pacific

China

Japan

South Korea

India

Others

'The report will be delivered in 3 working days.'

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