

North America Smart Surface and Coatings Market 2021-2031 by Product Type (Self-cleaning, Self-healing, Self-assembling, Self-sensing, IPM, Anti-fouling), Sensing Type (Pressure, Temperature, Sound and Movement, Presence/Occupancy, Surface Tension, Light), Coating Layer (Single-layer, Multi-layer), Industry Vertical, Application (Commercial, Residential, Industrial, Government), and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America Smart Surface and Coatings market is projected to grow by 29.1% annually in the forecast period and reach \$23,353.8 million by 2031, driven by the continuous economic development and substantial infrastructure development, superior properties of smart coatings such as corrosion prevention/material protection, the surface improvement applications in various industrial sectors, and the growing R&D in the coatings sector.

Highlighted with 27 tables and 101 figures, this 161-page report “North America Smart Surface and Coatings Market 2021-2031 by Product Type (Self-cleaning, Self-healing, Self-assembling, Self-sensing, IPM, Anti-fouling), Sensing Type (Pressure, Temperature, Sound and Movement, Presence/Occupancy, Surface Tension, Light), Coating Layer (Single-layer, Multi-layer), Industry Vertical, Application (Commercial, Residential, Industrial, Government), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America Smart Surface and Coatings market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary

and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2019-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America Smart Surface and Coatings market in every aspect of the classification from perspectives of Product Type, Sensing Type, Coating Layer, Industry Vertical, Application, and Country.

Based on Product Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (million metric tons) for 2021-2031 included in each section.

Self-cleaning Materials

Self-healing Materials

Self-assembling Materials

Self-sensing Materials

Integrated Photovoltaics Materials

Anti-fouling Coatings

Self-Dimming/Color Shifting Coating

Self-Tinting Materials

Other Product Types

Based on Sensing Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (million metric tons) for 2021-2031 included in each section.

Pressure

Temperature

Sound and Movement

Presence/Occupancy

Surface Tension

Light

Mechanical Forces

Ionic Strength

pH

Electric and Magnetic Fields

By Coating Layer, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (million metric tons) for 2021-2031 included in each section.

Single-layer Coatings

Multi-layer Coatings

By Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (million metric tons) for 2021-2031 included in each section.

Automotive & Transportation

Medical and Healthcare

Building and Construction

Electronics & Wearables

Aerospace & Defense

Energy

Robotics

Other Industry Verticals

By Application, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (million metric tons) for 2021-2031 included in each section.

Commercial Use

Residential Use

Industrial Use

Government Use

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Product Type, Coating Layer and Application over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

3M Company

Akzo Nobel N.V.

Ancatt Inc.

Axalta Coating Systems

Bayer AG

Clariant AG

Dow Chemical

DuPont de Nemours Inc.

Gentex Corporation

Hempel As

HZO Inc.

Jotun A/S

Nanoshine Group Corp.

NEI Corporation

P2i Limited

PPG Industries Inc.

RPM International Inc.

Sherwin-Williams Company

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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Ancatt Inc.

Axalta Coating Systems

Bayer AG

Clariant AG

Dow Chemical

DuPont de Nemours Inc.

Gentex Corporation

Hempel As

HZO Inc.

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