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Anti-Icing Coating Market by Substrate (Metals, Glass, Concrete & Ceramics), End-Use Industry (Automotive & Transportation, Renewable Energy, Communication Equipment, Construction and Others), and Region - Global Forecast to 2023

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Abstracts

“The anti-icing coating market is projected to grow at a CAGR of 24.5% from 2018 to 2023.”

The anti-icing coating market is projected to grow from USD 423.4 million in 2018 to USD 1,268.1 million by 2023, at a CAGR of 24.5% between 2018 and 2023. The growing demand from end-use industries such as automotive & transportation, renewable energy, communication equipment, construction, and others is expected to fuel the growth of the anti-icing coating market. However, the availability of cost-effective substitutes is expected to restrain the growth of the anti-icing coating market during the forecast period.

Automotive & transportation is the largest end-use industry segment of the anti-icing coating market.

Anti-icing coatings are used in various end-use industries, such as automotive & transportation, renewable energy, communication equipment, construction, and others. However, automotive & transportation is the most dominant end-use industry, owing to the use of anti-icing coating in most of the aircraft globally. These coatings are also used in automobiles, marine, and railways in cold climatic regional countries such as the US, Canada, Russia, and Scandinavian countries, which drives the growth of the anti-icing coating market in the automotive & transportation end-use industry.

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Rising demand from North America is the major driver for the anti-icing coating market.

Europe is estimated to account for the largest market share, in terms of both volume and value, in 2018. However, the anti-icing coating market in North America is projected to grow at the highest CAGR between 2018 and 2023, in terms of value. The North American anti-icing coating market is driven by the cold climatic environment and heavy investments in industries such as automotive & transportation, renewable energy, construction, and communication equipment. Growing number of aircraft in North America and rise in purchasing power of consumers have led to the growth in the manufacturing of anti-icing coatings in the North America region.

Extensive primary interviews have been conducted, and information has been gathered from secondary research to determine and verify the market size of several segments and subsegments.

Breakup of Primary Interviews:

By Company Type: Tier 1 – 50%, Tier 2 – 25%, and Tier 3 – 25%

By Designation: D Level – 42%, C Level – 16%, and Others – 42%

By Region: APAC – 42%, Europe – 33%, North America – 17%, and RoW – 8%

Key companies profiled in this report are PPG (US), DowDuPont (US), Fraunhofer (Germany), Battelle (US), CG2 Nanocoatings (Canada), Aerospace & Advanced Composites (Austria), Nanosonic (US), NEI Corporation (US), Cytonix (US), NeverWet (US), and others.

Research Coverage:

The anti-icing coating market has been segmented on the basis of substrate (metals, glass, concrete & ceramics), end-use industry (automotive & transportation, renewable energy, communication equipment, construction, others), and region (North America, Europe, APAC, ROW). The end-use industry segment is further analyzed for each country in respective regions.

Reasons to buy the Report

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From an insight perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market share analysis of top players, value-chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the market; high growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on anti-icing coatings offered by top players in the anti-icing coating market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the anti-icing coating market.

Market Development: Comprehensive information about lucrative emerging markets – the report analyzes the market for anti-icing coating across regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the anti-icing coating market.

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the anti-icing coating market.

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About

The report "Anti-Icing Coating Market by Substrate (Metals, Glass, Concrete & Ceramics), End-Use Industry (Automotive & Transportation, Renewable Energy, Communication Equipment, Construction and Others), and Region - Global Forecast to 2023", The market size of anti-icing coatings is projected to grow from USD 423.4 million in 2018 to USD 1,268.1 million by 2023, at a CAGR of 24.5% from 2018 to 2023. It is driven by a wide range of end-use industries, namely, automotive & transportation, renewable energy, communication equipment, construction, and others. In addition, the increasing number of aircraft globally is also expected to drive the use of anti-icing coating in the automotive & transportation end-use industry.

PPG (US), DowDuPont (US), Fraunhofer (Germany), Battelle (US), CG2 Nanocoatings (Canada), Aerospace & Advanced Composites (Austria), Nanosonic (US), NEI Corporation (US), Cytonix (US), NeverWet (US), and others.Diverse product portfolio, strategically positioned R&D centers, continuous adoption of development strategies, and technological advancements are the factors strengthening the market position of these companies. These companies have adopted various organic and inorganic growth strategies to enhance their market share in the anti-icing coating market.

The anti-icing coating market has been segmented on the basis of substrate (metals, glass, concrete & ceramics), end-use industry (automotive & transportation, renewable energy, communication equipment, construction, others), and region (North America, Europe, APAC, ROW). The end-use industry segment is further analyzed for each country in respective regions.

PPG Industries (US) manufactures and distributes coatings and glass products. The company operates through two business units, namely, performance coatings and industrial coatings. The company also provides industrial and automotive coatings to manufacturing companies. The company has 140 manufacturing facilities in 40 countries. In June 2017, PPG (US) completed the construction of a USD 49 million paints and coatings manufacturing facility and started operations in the Lipetsk region of Russia. The site will produce about 25 million liters of coatings at full capacity. It caters to the demand for coatings in Russia. The company has been actively involved in acquiring emerging companies in the anti-icing coating market. For example, in February 2018, PPG announced that it has reached a definitive agreement to acquire ProCoatings, a leading architectural paint and coatings wholesaler located in the Netherlands. This will help cater to the demand for coatings in the European region.

There are several major North America and European players in the anti-icing coating market. DowDuPont was formed by the merger of the Dow Chemical Company and DuPont. The merger was intended to form a strong, independent, publicly traded company for agriculture, materials science, and specialty products sectors. It operates through the following segments: agriculture; performance materials & coatings; industrial intermediates & infrastructure; packaging & specialty plastics; and electronics & imaging. The performance material & coatings segment provides anti-icing coating. The company is mainly focusing on mergers & acquisitions. For example, in September 2017, DowDuPont announced the successful completion of the merger of equals between The Dow Chemical Company (Dow) and E.I. du Pont de Nemours & Company (DuPont). The combined entity is operating as a holding company under the name DowDuPont.

Metal is the largest substrate segment of the anti-icing coating market.

The anti-icing coating market has been segmented on the basis of substrate into metals, glass, and concrete & ceramics. In 2018, the metal segment is estimated to have the largest market share, in terms of volume, due to the demand for anti-icing coatings for wings and turbines of aircraft. They are also applied on metal substrates of tire rims, doors, and locks of automobile and aircraft.

Rising demand from cold climatic regions is driving the anti-icing coating market.

Europe accounted for the largest share of the anti-icing coating market, in terms of both volume and value, in 2017. The anti-icing coating market in North America is projected to grow at the highest CAGR between 2018 and 2023, in terms of value, because of the increasing number of aircraft. The high demand in cold climatic regions is the major driver for the anti-icing coating market. Russia is estimated to be the leading country in the European anti-icing coating market in 2018, owing to the expected increase in demand for anti-icing coatings during the forecast period from automotive & transportation, renewable energy, construction, and communication equipment end-use industries. This market is expected to witness high growth in the future in other cold climatic countries such as the US, Canada, and Scandinavian countries.

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