

Self-Cleaning Glass Market by Coating Type (Hydrophilic, Hydrophobic), Application (Residential Construction, Non-Residential Construction, Solar Panels, Automotive), and Region (Europe, Asia Pacific, North America) - Global Forecast to 2023

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Abstracts

The self-cleaning glass market is projected to grow at a CAGR of 4.4% from 2018 to 2023.

The global self-cleaning glass market is projected to grow from an estimated USD 99.1 million in 2018 to USD 122.7 million by 2023, at a CAGR of 4.4% from 2018 to 2023. The growth of the construction industry is the major factor driving the self-cleaning glass market. The low lifetime-cost of self-cleaning glass is another factor fueling the growth of this market; the cost-cutting on labor and detergent otherwise required to wash the glass reduces the lifetime-cost of self-cleaning glass. The growing demand for self-cleaning glass for use on solar panels offers an opportunity for the growth of the self-cleaning glass market. The rising demand for eco-friendly glass products is another opportunity for the self-cleaning glass market. On the other hand, the low effectiveness of self-cleaning glass in areas with low rainfall and less sun exposure is a major factor restraining the market.

The residential construction segment is expected to be the fastest-growing application segment of the self-cleaning glass market during the forecast period

The residential construction application segment is projected to be the fastest-growing application of the self-cleaning glass market from 2018 to 2023. The growth of this segment can be attributed to the growth of the global construction industry. Rising demand for self-cleaning glass for use in conservatories and rooftops is also expected

to lead to the growth of the residential construction segment.

Europe is expected to account for the largest market share of the self-cleaning glass market in 2018

The construction industry is one of the largest and most important manufacturing sectors in Europe. The region's construction industry is focusing on adopting innovations and new product development strategies to sustain demand. The construction market in the region is highly fragmented and consists of a large number of companies, most of which are small in scale; hence, only few can compete in the global market.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 42 %, Tier 2 – 25%, Tier 3 – 33%

By Designation: C level – 33%, Director level – 25%, Others – 42%

By Region: North America – 44%, Europe – 25%, Asia Pacific – 19%, Middle East & Africa – 6%, South America – 6%

As part of the qualitative analysis, the research provides a comprehensive review of major market drivers, restraints, opportunities, and challenges. It also discusses competitive strategies adopted by market players, such as Nippon Sheet Glass (Japan), Saint-Gobain (France), Guardian Industries (US), Pilkington Group Limited (UK), Cardinal Glass Industries (US), and Asahi Glass Co. (Japan).

Research Coverage:

The report defines, segments, and projects the self-cleaning glass market based on coating type, application, and region. It provides detailed information regarding major factors influencing the growth of the market, such as drivers, opportunities, and industry-specific challenges. It also strategically profiles key players and comprehensively analyzes their market shares and core competencies. The report analyzes competitive developments, such as new product launches/developments undertaken by the key players.

Reasons to buy the report:

Self-Cleaning Glass Market by Coating Type (Hydrophilic, Hydrophobic), Application (Residential Construction,...

The report will help market leaders/new entrants in this market by providing them the closest approximations of revenue numbers for the overall self-cleaning glass market and its subsegments. This report will help stakeholders better understand the competitive landscape and gain insights to position their businesses better and make suitable go-to-market strategies. The report will also help stakeholders understand the pulse of the market and provide information on key market drivers, restraints, challenges, and opportunities.

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About

The report "Self-Cleaning Glass Market by Coating Type (Hydrophilic, Hydrophobic), Application (Residential Construction, Non-Residential Construction, Solar Panels, Automotive), and Region (Europe, Asia Pacific, North America) - Global Forecast to 2023", The global self-cleaning glass market is projected to grow from USD 99.1 million in 2018 to USD 122.7 million by 2023, at a CAGR of 4.4% from 2018 to 2023. Growth in the construction industry in the US, China, and India is leading to the increasing demand for self-cleaning glass. The rising demand for self-cleaning glass for use on solar panels offers an opportunity for the growth of the self-cleaning glass market. The rising demand for eco-friendly glass products is another opportunity for the self-cleaning glass market.

Major manufacturers profiled in this report include

Nippon Sheet Glass (Japan), Saint-Gobain (France), Guardian Industries (US), Cardinal Glass Industries (US), and Asahi Glass Co. (Japan), among others. These companies focus on enhancing their product portfolios to grow in the self-cleaning glass market.

Research Coverage:

The report defines, segments, and projects the self-cleaning glass market based on coating type, application, and region. It provides detailed information regarding major factors influencing the growth of the market, such as drivers, opportunities, and industry-specific challenges. It also strategically profiles key players and comprehensively analyzes their market shares and core competencies. The report analyzes competitive developments, such as new product launches/developments undertaken by the key players.

Nippon Sheet Glass (NSG) is one of the world's largest manufacturers of flat glass and glazing products. Its business segments include architectural, automotive, and technical glass. Under the architectural segment, the company supplies glass for building and solar energy applications. It serves the OEM, aftermarket replacement, and specialized transport glazing markets through the automotive segment. In the technical glass segment, the company produces display glass and optical devices for office machinery, and glass fiber for battery separators and timing belts.

In November 2013, NSG introduced Pilkington Activ SunShade, a dual coated

combination of Pilkington Activ and Pilkington SunShade. This product reduces the amount of direct sunlight that can penetrate through the glass. The product has attractive aesthetics and self-cleaning properties as well as solar control performance. This dual function product has helped the company improve its presence in the coated glass market.

Saint-Gobain is the world leader in the habitat and construction markets. The company designs, manufactures, and distributes high-performance building materials. It provides innovative solutions related to energy efficiency and environmental protection in the construction industry. The company offers a wide range of flat glass products through its innovative material business segment, including architectural flat glass, internal glass, and coated glass. Originally a mirror manufacturer, it now produces a variety of construction glass and high-performance materials.

Guardian Industries is one of the largest manufacturers of flat glass in the form of float glass and fabricated glass. The company serves the needs of various sectors, such as commercial, residential, interior glass, automotive, and technical glass. Guardian's product range includes value-added coated glass, tempered glass, low-emissivity (Low-E) glass, mirrored & patterned glass, solar glass, and insulating and reflective glass.

Based on coating type, the hydrophilic segment is estimated to account for the largest share of the self-cleaning glass market in 2018

Based on coating type, the hydrophilic segment is estimated to account for the largest share of the self-cleaning glass market in 2018. Hydrophilic self-cleaning glass is used in windows, facades, and solar panels, among others. Increase in residential construction in the North American and Asia Pacific regions is leading to the high demand for hydrophilic self-cleaning glass.

Based on application, the residential construction segment is estimated to be the largest application segment of the self-cleaning glass market in 2018

Based on application, the residential construction segment is estimated to be the largest application segment of the self-cleaning glass market in 2018. Growth in demand for advanced glass coatings for various functions, such as self-cleaning and energy efficiency, is expected to drive the self-cleaning glass market in residential construction.

The self-cleaning glass market in the Asia Pacific is expected to witness the highest growth during the forecast period

China is the largest consumer of self-cleaning glass in the Asia Pacific region. Changing consumer preference toward sustainable construction is driving the market for self-cleaning glass in China. The growth of the construction glass industry in this country is supported by the increase in income and expenditure levels. Construction spending by the Chinese government is expected to increase in both, residential and non-residential sectors during the forecast period, which, in turn, is expected to drive the self-cleaning glass market.

Target Audience

Manufacturers, Dealers, and Suppliers of Self-cleaning Glass

End Users of Self-cleaning Glass

Government and Research Organizations

Companies Operational in Material R&D

Associations and Industrial Bodies

Investment Banks

Consulting Companies/Consultants in Chemical and Material Sectors

“This study answers several questions for stakeholders, primarily the market segments, which they need to focus upon during the next 2 to 5 years so that they may prioritize their efforts and investments accordingly.”

Objectives of this study are:

To analyze and forecast the size of the self-cleaning glass market, in terms of value

To define, segment, and estimate the self-cleaning glass market based on coating type and application

To forecast the size of market segments, in terms of value, with respect to 5 main regions, namely, Asia Pacific, North America, Europe, the Middle East &

Africa, and South America

To provide detailed information regarding key factors (drivers, restraints, opportunities, and industry-specific challenges) influencing the growth of the self-cleaning glass market

To strategically analyze micromarkets with respect to individual growth trends, prospects, and contribution to the total market

To analyze opportunities in the self-cleaning glass market for stakeholders and provide a competitive landscape of the market

To track and analyze competitive developments, such as new product developments/launches, acquisitions, expansions, partnerships, and collaborations in the self-cleaning glass market

To strategically profile key players and comprehensively analyze their market shares and core competencies

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