

Coated Glass Market By Coating Type (Low-e coating, Solar control, Anti-reflective coating, Reflective coating, Others), By Application (Architectural, Automotive, Solar panels, Electronics, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033

Market Report | 2024-10-01 | 300 pages | Allied Market Research

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Report description:

Coated Glass Market

The coated glass market was valued at \$39.2 billion in 2023 and is projected to reach \$97.5 billion by 2033, growing at a CAGR of 9.6% from 2024 to 2033.

Coated glass is an object treated with ceramic or metallic materials, which form a thin layer over the whole area. The coating enhances the performance of glass by altering its way of interacting with heat, sunlight, and environmental factors. The coating is either applied at an initial stage when the glass remains hot, or it is smeared after glass production in a vacuum chamber. The major advantages of using coated glass include its energy efficiency, high functionality, and aesthetic flexibility. It finds applications in greenhouses, automobiles, display windows, and residential buildings.

The implementation of energy efficiency standards in the construction of residential buildings and commercial spaces acts as a key driver of the coated glass market owing to high competence of the glass in minimizing heat transfer and improving thermal insulation. Furthermore, global surge in the production of vehicles is propelling the growth of the market significantly. The latest trend emerging in the coated glass market is the development of antimicrobial coatings. Post the COVID-19 pandemic, concerns regarding hygiene on public surfaces have prompted manufacturers to develop such ingenious materials. This involves the infusion of silver nanoparticles or cationic particles into the glass, facilitating more than 99% microbial reduction.

However, high upfront costs associated with procuring the coating materials and latest technologies constrain the installation of the glass in budget-sensitive projects, hampering the development of the market. Moreover, limited awareness regarding the benefits of coated glass in several underserved areas restrains the market growth. On the contrary, concerns regarding increase in carbon emissions from buildings and implementation of effective action plans to reduce them are projected to present lucrative

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opportunities for the coated glass market. For instance, the 2024 Global Status Report for Buildings and Construction by the UN Environment Programme and the Global Alliance for Buildings and Construction states that buildings contributed to 37% of energy & process-associated carbon dioxide emissions. With rising popularity of net zero emissions, the installation of coated glasses in buildings is projected to witness a significant surge due to its ability to reduce energy consumption by enhancing the insulating abilities of windows.[]

Segment Review[]

The coated glass market is segmented into coating type, application, and region. On the basis of coating type, the market is divided into low-e coating, solar control, anti-reflective coating, reflective coating, and others. Depending on application, it is classified into architectural, automotive, solar panels, electronics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.[]

Key Findings[]

On the basis of coating type, the low-e coating segment is expected to be the highest shareholder during the forecast period.[] Depending on application, the architectural segment is projected to dominate the market throughout the forecast period.[] Region wise, Asia-Pacific is expected to be the highest revenue generator by 2033.[]

Competition Analysis[]

The leading players operating in the global coated glass market include Saint-Gobain, Guardian Industries, Asahi Glass Co. (AGC), Nippon Sheet Glass Co., Ltd., Cardinal Glass Industries, Vitro, Xinyi Glass Holdings Limited, sunglass industry s.r.l., Fuyao Glass America, and SCHOTT. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.[]

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- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
 - List of customers/consumers/raw material suppliers- value chain analysis
 - Product Consumption Analysis
 - Volume Market Size and Forecast
- Key Market Segments
- By Coating Type
- Low-e coating
 - Solar control
 - Anti-reflective coating
 - Reflective coating
 - Others
- By Application
- Architectural
 - Automotive
 - Solar panels
 - Electronics
 - Others
- By Region
- North America
 - U.S.
 - Canada
 - Mexico
 - Europe
 - France
 - Germany
 - Italy
 - Spain
 - UK
 - Rest of Europe
 - Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Rest of Asia-Pacific
 - LAMEA
 - Brazil
 - South Africa
 - Saudi Arabia
 - Rest of LAMEA
 - Key Market Players
 - Saint-Gobain
 - Guardian Industries
 - Asahi Glass Co. (AGC)
 - Nippon Sheet Glass Co., Ltd
 - Cardinal Glass Industries

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- Vitro
- Xinyi Glass Holdings Limited
- sunglass industry s.r.l.
- Fuyao Glass America
- SCHOTT

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