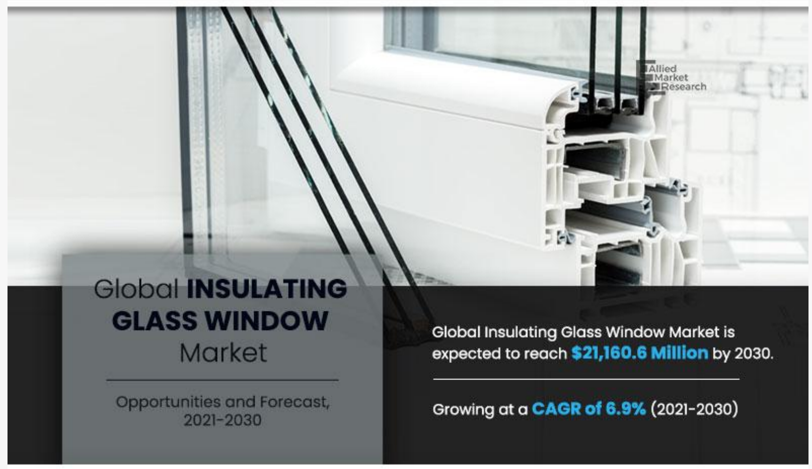
Insulating Glass Window Market to Hit $21.2 Billion by 2030 | Viracon, Glaston, Scheuten, AGC

The insulating glass window market is registering a CAGR of 6.9% from 2021 to 2030



PORTLAND, OREGON, UNITED STATES, November 10, 2023 /EINPresswire.com/ -- The global insulating glass window market size was valued at $11,105.7 million in 2020, and is projected to reach $21,160.6 million by 2030, registering a CAGR of 6.9% from 2021 to 2030

The Insulating Glass Window Market is a dynamic and rapidly evolving sector within the construction and building industry. As energy efficiency and sustainability become increasingly important, insulating glass windows have emerged as a crucial component of modern building design. This blog will provide an overview of the insulating glass window market, its key drivers, trends, and the future outlook.

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Top Leading Companies: AGC Inc., Central Glass Co., Ltd., Glaston Corporation, SaintGobain SA,Internorm International GmbH,Sika Industry, Nippon Sheet Glass Co. Ltd., Viracon, H.B. Fuller, and Scheuten.

The demand for energy-efficient solutions in the construction industry has been a major driving force behind the growth of the insulating glass window market. Insulating glass windows, also known as double-glazed or double-paned windows, are designed to minimize heat transfer between the interior and exterior of a building. This results in reduced energy consumption for heating and cooling, making them an attractive option for both residential and commercial buildings.

The insulating glass window helps in minimizing the use of artificial heating and cooling in a building by providing substantial protection from heat loss and heat gain from the outer atmosphere. These windows consist of three major components, glass or glazing, frame, and other hardware. Each energy-efficient window product is certified on the basis of solar heat gain coefficient (SHGC) and U-factor, which qualify it for the Energy Star Rating by the National Fenestration Rating Council (NFRC) of the U.S.

The SHGC factor measures the amount of solar heat entering through the window, whereas the U-factor measures the insulation capacity of the window. However, high initial costs of insulating glass window as compared to normal windows and fluctuation in raw material prices restrain the insulating glass window market growth. Region wise, the insulating glass window market is analyzed across North America, Europe, Asia Pacific, Middle East & Africa, and South America. In 2020, North America dominated the market, in terms of revenue share, accounting for 33.6% share of the insulating glass window industry.

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Advancements in glass coating technologies and the use of smart materials have improved the thermal performance of insulating glass windows. These technologies offer better insulation and solar control, contributing to energy savings. The integration of smart glass technologies, such as electrochromic and thermochromic glass, is gaining traction. These dynamic glass solutions allow for automatic adjustments of tint and transparency, optimizing natural light and energy efficiency. Insulating glass windows not only improves thermal efficiency but also offers sound insulation benefits. This feature is crucial for urban areas and noisy environments.

However, Asia-Pacific is expected to grow significantly with a high CAGR during the forecast period. For instance, according to the report publish in 2018 by Overseas Development Institute (ODI), the Asian economy is projected to grow significantly until 2025. This influences the overall growth of construction and manufacturing facilities in this region. North America is expected to hold the highest insulating glass window market share in the world, owing to an increase in demand for energy-efficient windows.

The insulating glass window market is on a trajectory of continuous growth, driven by the need for energy-efficient and sustainable building solutions. As technology advances and the focus on environmental concerns intensifies, insulating glass windows will remain at the forefront of architectural and construction practices, making our buildings more energy-efficient, comfortable, and sustainable.

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