

Solar Control Glass Market Report by Glass Type (Float Glass, Heat Strengthened Glass, Laminated Glass, Tempered Glass, and Others), Coating Method (Hard Coated, Soft Coated), Nature (Electrochromic, Photochromic, Gasochromic, and Others), Application (Residential, Commercial, Automotive, and Others), and Region 2024-2032

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Report description:

The global solar control glass market size reached US\$ 6.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 13.1 Billion by 2032, exhibiting a growth rate (CAGR) of 7.8% during 2024-2032.

Solar control glass refers to a kind of glass with a special coating that is precisely manufactured to reduce the extent of heat entering a specific space. The solar control coating on the glass reflects heat from the sun back, outside of the area it has been installed on, such as a building, automotive, or a greenhouse. It significantly reduces the amount of heat that can pass through, thereby providing a more usable and comfortable space. Along with absorbing and reflecting heat, these glasses also filter out light and offer reduced glare, thus maintaining a cozier interior in summers and reducing the need for air-conditioning. A varied range of aesthetics, such as reflective, tinted, and neutral, are offered by different types of solar control glasses. A combination of solar control glasses with LOW-E thermal insulation in dual glazing windows with self-cleaning systems provides optimal temperature all year round.

Solar Control Glass Market Trends:

The global market is primarily driven by the increasing adoption of solar control glasses in automobiles. Since they reduce the heat load on the vehicle while minimizing the need for air conditioning, this results in higher mileage and reduced fuel consumption. This is further supported by the widespread preference of consumers toward cost-effective and energy-efficient

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vehicles. Significant demand for solar control glass in residential and commercial buildings due to the rising awareness regarding the high air conditioning costs is also acting as a major growth-inducing factor. In addition to this, rapid urbanization, the escalating concerns regarding carbon dioxide emissions, growing consciousness regarding climate change, and the expansion of smart construction activities are some of the other factors contributing to the market growth across the globe.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global solar control glass market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on glass type, coating method, nature and application.

Breakup by Glass Type:

- Float Glass
- Heat Strengthened Glass
- Laminated Glass
- Tempered Glass
- Others

Breakup by Coating Method:

- Hard Coated
- Soft Coated

Breakup by Nature:

- Electrochromic
- Photochromic
- Gasochromic
- Others

Breakup by Application:

- Residential
- Commercial
- Automotive
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea

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Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AGC Inc., arcon Flach- und Sicherheitsglas GmbH & Co. KG, Cardinal Glass Industries Inc., Central Glass Ltd., Compagnie de Saint-Gobain S.A., Euroglas GmbH, Guardian Industries LLC (Koch Industries Inc.), Nippon Sheet Glass Co. Ltd., PPG Industries Inc., Schott AG, Shanghai Yaohua Pilkington Glass Group Co. Ltd. and Sisecam (Turkiye Is Bankasi A.S.).

Key Questions Answered in This Report

1. How big is the global solar control glass market?
2. What is the expected growth rate of the global solar control glass market during 2024-2032?
3. What are the key factors driving the global solar control glass market?
4. What has been the impact of COVID-19 on the global solar control glass market?
5. What is the breakup of the global solar control glass market based on the nature?
6. What is the breakup of the global solar control glass market based on the application?
7. What are the key regions in the global solar control glass market?
8. Who are the key players/companies in the global solar control glass market?

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