

Electrochromic Glass Market Report by Application (Windows, Mirror, Display), End Use Industry (Construction, Automotive, Aerospace, and Others), and Region 2024-2032

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Abstracts

The global electrochromic glass market size reached US\$ 1.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 3.6 Billion by 2032, exhibiting a growth rate (CAGR) of 8.26% during 2024-2032.

Electrochromic glass, also referred to as smart glass or dynamic glass, is an electronically tinted glass variant primarily used for windows, curtain glass, skylights, facades, etc. It enables the occupant to monitor the amount of light and solar radiation that can enter a space through the glazing, thereby eliminating the need for separate shading systems. Electrochromic glass also offers numerous other benefits, including maximizing access to daylight and outdoor views, enhancing occupant comfort, lowering energy costs, providing a high aesthetic value, etc. As a result, it is widely utilized across diverse industries, such as construction, automotive, aerospace, marine, etc.

Electrochromic Glass Market Trends:

The continuous development of smart buildings coupled with the increasing demand for energy-efficient construction materials to reduce carbon emissions is primarily driving the global electrochromic glass market. Additionally, the growing consumer inclination towards high-quality interiors and aesthetically appealing designs is also catalyzing the product demand. Moreover, the government bodies across several countries are introducing favorable policies and lucrative incentives to promote green construction activities for maintaining the energy consumption. In line with this, the rising number of remodeling and refurbishment activities, which has led to the replacement of

conventional glasses with electrochromic glass across retail facilities, office buildings, healthcare centers, etc., is further creating a positive outlook for the market. Additionally, the escalating demand for glare-free glass components, such as rear- and side-view mirrors, windshields, etc., in automobiles is also propelling the global market. Electrochromic glass in vehicles helps in reducing extra glaze, maintaining interior temperature, and improving passenger comfort. In the coming years, the increasing R&D activities that aim at the usage of thermochromic and photochromic smart glasses in heating and cooling systems of solar power generation plants are expected to drive the global electrochromic glass market over the forecast period.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global electrochromic glass market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on application and end use industry.

Breakup by Application:

- Windows
- Mirror
- Display

Breakup by End Use Industry:

- Construction
- Automotive
- Aerospace
- Others

Breakup by Region:

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

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., ChromoGenics AB, Compagnie de Saint-Gobain S.A., Gentex Corporation, Guardian Industries (Koch Industries Inc.), Nippon Sheet Glass Co. Ltd., Pleotint LLC, Polytronix Inc., PPG Industries Inc., Research Frontiers, Smartglass International and View Inc.

Key Questions Answered in This Report

1. What was the size of the global electrochromic glass market in 2023?
2. What is the expected growth rate of the global electrochromic glass market during 2024-2032?
3. What are the key factors driving the global electrochromic glass market?
4. What has been the impact of COVID-19 on the global electrochromic glass market?
5. What is the breakup of the global electrochromic glass market based on the application?
6. What is the breakup of the global electrochromic glass market based on the end use industry?
7. What are the key regions in the global electrochromic glass market?
8. Who are the key players/companies in the global electrochromic glass market?

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