

Fire Resistant Glass Market Report by Type (Wired, Ceramic, Laminated, Tempered, Gel Filled), Application (Building and Construction, Marine, and Others), and Region 2024-2032

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Abstracts

The global fire resistant glass market size reached US\$ 5.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 11.7 Billion by 2032, exhibiting a growth rate (CAGR) of 9.2% during 2024-2032.

Fire resistant or fire-rated glass refers to a specialty glass variant that provides protection against fire, smoke, and conductive heat transfer. It is either single- or multi-layered and is primarily classified as laminated, wired, tempered, ceramic and gel based fire-resistant glass. The glass restricts the spread of fire to a limited area without creating a claustrophobic atmosphere. It also offers several additional benefits, such as thermal resistance, shatter resistance, high impact safety, sound reduction, wide design potential, etc. As a result, fire-resistant glass is widely adopted as a safer alternative to conventional glass across the construction, marine, transportation and defense sectors.

Fire Resistant Glass Market Trends:

The growing levels of urbanization coupled with increasing demand for modern infrastructure projects are primarily driving the growth of the fire-resistant glass market. Furthermore, the rising incidences of fire breakouts across the residential, commercial, and industrial sectors have led to the escalating number of casualties, thereby augmenting the need for fire-resistant glass. Additionally, the growing shift from conventional glass towards fire-resistant glass for several remodeling and renovation activities is also augmenting the market growth. Apart from this, fire-resistant glass is widely utilized in the marine industry based on its enhanced impact, acoustic, and

thermal performance. Moreover, the expanding automobile sector is also driving the demand for fire-resistant glass for manufacturing windscreens, windows, and interior glasses. Besides this, the growing adoption of fire-resistant glass in the defense industry for armored personal carriers, infantry fighting vehicles, and surveillance equipment, is also propelling the market growth. Furthermore, several government bodies have also introduced multiple safety standards pertaining to the adoption of fire-resistant glass in the residential and commercial buildings to ensure fire prevention.

Key Market Segmentation:

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

Breakup by Type:

Wired

Ceramic

Laminated

Tempered

Gel Filled

Breakup by Application:

Building and Construction

Residential Construction

Commercial Construction

Marine

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 with some of the key players being AGC Inc., Compagnie De Saint Gobain S.A., Fuso Glass India Pvt Ltd., Nippon Sheet Glass Co. Ltd., Pyroguard Engineers Pvt. Ltd., Promat International NV (Etex Group), Ravensby Glass Co. Ltd. (Malcolm, Ogilvie & Co. Ltd. Group), Schott AG (Carl-Zeiss-Stiftung), Safti First Fire Rated Glazing Solutions (O'Keeffe's Inc.) and Technical Glass Products Inc. (Allegion Plc).

Key Questions Answered in This Report:

How has the global fire resistant glass market performed so far and how will it perform in the coming years?

What are the key regional markets?

What is the impact of COVID-19 on global fire resistant glass market?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the market?

What is the structure of the global fire resistant glass market and who are the key players?

What is the degree of competition in the market?

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