

Flat Glass Market Report by Technology (Float Glass, Sheet Glass, Rolled Glass), Product Type (Basic Float Glass, Toughened Glass, Coated Glass, Laminated Glass, Insulated, Extra Clear Glass, and Others), Raw Material (Sand, Soda Ash, Recycled Glass, Dolomite, Limestone, and Others), End Use (Safety and Security, Solar Control, and Others), Type (Fabricated, Non-Fabricated), End Use Industry (Construction, Automotive, Solar Energy, Electronics, and Others), and Region 2024-2032

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Abstracts

The global flat glass market size reached US\$ 114.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 175.0 Billion by 2032, exhibiting a growth rate (CAGR) of 4.7% during 2024-2032. The market is experiencing steady growth driven by the growing emphasis on sustainable building solutions, the continuous advancements in smart glass technologies, and the expanding use of glass in solar energy applications across the globe.

Flat Glass Market Trends:

Rapid Urbanization and Construction Boom

The global market is significantly influenced by the ongoing trend of rapid urbanization and the rising demand for construction activities worldwide. As urban populations continue to grow, there is an increasing need for infrastructural development, residential housing, and commercial spaces. Flat glass, a crucial component in construction, finds

extensive applications in windows, facades, and interior partitions. Additionally, the growing construction industry, particularly in emerging economies, is a major driving force behind the escalating demand. This trend is propelled by factors such as population migration to urban areas, economic development, and governmental initiatives promoting urban infrastructure projects.

Technological Advancements in Energy-Efficient Glass Solutions

Another pivotal factor steering the global market is the ongoing advancements in glass technologies, especially in the realm of energy efficiency. As environmental consciousness rises globally, there is an amplified emphasis on sustainable and energy-efficient construction practices. Therefore, this is positively influencing the market. In confluence with this, its manufacturers are responding to this demand by innovating and producing high-performance glass solutions with enhanced thermal insulation and solar control properties. Moreover, the adoption of these advanced glass technologies is driven by stringent energy efficiency regulations, green building standards, and the increasing preference for environmentally responsible construction materials.

Automotive Industry Expansion and Rising Demand for Smart Glass

The automotive sector plays a crucial role in propelling the market, driven by the expanding global automotive industry and the growing preference for advanced automotive technologies. Flat glass is extensively used in automotive applications, including windshields, windows, and sunroofs. Furthermore, the rising trend of smart and connected vehicles has led to increased demand for smart glass, which can dynamically adjust light transmission and provide improved comfort to passengers. As consumer expectations for technologically advanced features in automobiles continue to rise, the demand in the automotive sector is expected to witness sustained growth, contributing significantly to the overall market expansion.

Flat Glass Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global and regional levels for 2024-2032. Our report has categorized the market based on technology, product type, raw material, end-use, type, and end use industry.

Breakup by Technology:

Float Glass

Sheet Glass
Rolled Glass

Float glass accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the technology. This includes float glass, sheet glass, and rolled glass. According to the report, float glass represented the largest segment.

Breakup by Product Type:

Basic Float Glass
Toughened Glass
Coated Glass
Laminated Glass
Insulated
Extra Clear Glass
Others

Insulated holds the largest share in the industry

A detailed breakup and analysis of the market based on the product type has also been provided in the report. This includes basic float glass, toughened glass, coated glass, laminated glass, insulated, extra clear glass, and others. According to the report, insulated accounted for the largest market share.

Breakup by Raw Material:

Sand
Soda Ash
Recycled Glass
Dolomite
Limestone
Others

The report has provided a detailed breakup and analysis of the market based on the raw material. This includes Sand, Soda Ash, Recycled Glass, Dolomite, Limestone, and others.

Breakup by End Use:

- Safety and Security
- Solar Control
- Others

A detailed breakup and analysis of the market based on the end use has also been provided in the report. This includes safety and security, solar control, and others.

Breakup by Type:

- Fabricated
- Non-Fabricated

Fabricated dominates the market

A detailed breakup and analysis of the market based on the type has also been provided in the report. This includes fabricated and non-fabricated. According to the report, fabricated accounted for the largest market share.

Breakup by End Use Industry:

- Construction
- Automotive
- Solar Energy
- Electronics
- Others

Construction is the predominant market segment

A detailed breakup and analysis of the market based on the end use industry has also been provided in the report. This includes construction, automotive, solar energy, electronics, and others. According to the report, construction accounted for the largest market share.

Breakup by Region:

- Asia Pacific
- Europe
- North America

Middle East and Africa
Latin America

Asia Pacific leads the market, accounting for the largest flat glass market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include Asia Pacific, Europe, North America, Middle East and Africa and Latin America. According to the report, Asia Pacific accounted for the largest market share.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

AGC Inc.
Cardinal Glass Industries Inc.
Compagnie de Saint-Gobain S.A.
CSG Holding Co. Ltd.
Fuyao Glass America Inc. (Fuyao Glass Industry Group Co. Ltd.)
Guardian Industries LLC (Koch Industries Inc.)
Nippon Sheet Glass Co. Ltd.
Taiwan Glass Ind. Corp.
Turkiye Sise ve Cam Fabrikalari AS
Vitro S.A.B. de C.V.

Key Questions Answered in This Report

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

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL FLAT GLASS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Technology
- 5.5 Market Breakup by Product Type
- 5.6 Market Breakup by Raw Material
- 5.7 Market Breakup by End-Use
- 5.8 Market Breakup by Type
- 5.9 Market Breakup by End Use Industry
- 5.10 Market Breakup by Region
- 5.11 Market Forecast

6 MARKET BREAKUP BY TECHNOLOGY

6.1 Float Glass

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Sheet Glass

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Rolled Glass

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY PRODUCT TYPE

7.1 Basic Float Glass

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Toughened Glass

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Coated Glass

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Laminated Glass

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Insulated

7.5.1 Market Trends

7.5.2 Market Forecast

7.6 Extra Clear Glass

7.6.1 Market Trends

7.6.2 Market Forecast

7.7 Others

7.7.1 Market Trends

7.7.2 Market Forecast

8 MARKET BREAKUP BY RAW MATERIAL

8.1 Sand

- 8.1.1 Market Trends
- 8.1.2 Market Forecast
- 8.2 Soda Ash
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Recycled Glass
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Dolomite
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Limestone
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Others
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast

9 MARKET BREAKUP BY END-USE

- 9.1 Safety and Security
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Solar Control
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Others
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast

10 MARKET BREAKUP BY TYPE

- 10.1 Fabricated
 - 10.1.1 Market Trends
 - 10.1.2 Market Forecast
- 10.2 Non-Fabricated
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast

11 MARKET BREAKUP BY END USE INDUSTRY

11.1 Construction

11.1.1 Market Trends

11.1.2 Market Forecast

11.2 Automotive

11.2.1 Market Trends

11.2.2 Market Forecast

11.3 Solar Energy

11.3.1 Market Trends

11.3.2 Market Forecast

11.4 Electronics

11.4.1 Market Trends

11.4.2 Market Forecast

11.5 Others

11.5.1 Market Trends

11.5.2 Market Forecast

12 MARKET BREAKUP BY REGION

12.1 Asia Pacific

12.1.1 Market Trends

12.1.2 Market Forecast

12.2 Europe

12.2.1 Market Trends

12.2.2 Market Forecast

12.3 North America

12.3.1 Market Trends

12.3.2 Market Forecast

12.4 Middle East and Africa

12.4.1 Market Trends

12.4.2 Market Forecast

12.5 Latin America

12.5.1 Market Trends

12.5.2 Market Forecast

13 SWOT ANALYSIS

13.1 Overview

- 13.2 Strengths
- 13.3 Weaknesses
- 13.4 Opportunities
- 13.5 Threats

14 VALUE CHAIN ANALYSIS

15 PORTER'S FIVE FORCES ANALYSIS

- 15.1 Overview
- 15.2 Bargaining Power of Buyers
- 15.3 Bargaining Power of Suppliers
- 15.4 Degree of Competition
- 15.5 Threat of New Entrants
- 15.6 Threat of Substitutes

16 PRICE ANALYSIS

- 16.1 Key Price Indicators
- 16.2 Price Structure
- 16.3 Margin Analysis

17 COMPETITIVE LANDSCAPE

- 17.1 Market Structure
- 17.2 Key Players
- 17.3 Profiles of Key Players
 - 17.3.1 AGC Inc.
 - 17.3.2 Cardinal Glass Industries Inc.
 - 17.3.3 Compagnie de Saint-Gobain S.A.
 - 17.3.4 CSG Holding Co. Ltd.
 - 17.3.5 Fuyao Glass America Inc. (Fuyao Glass Industry Group Co. Ltd.)
 - 17.3.6 Guardian Industries LLC (Koch Industries Inc.)
 - 17.3.7 Nippon Sheet Glass Co. Ltd.
 - 17.3.8 Taiwan Glass Ind. Corp.
 - 17.3.9 Turkiye Sise ve Cam Fabrikalari AS
 - 17.3.10 Vitro S.A.B. de C.V.

List Of Tables

LIST OF TABLES

Table 1: Global: Flat Glass Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Flat Glass Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 3: Global: Flat Glass Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 4: Global: Flat Glass Market Forecast: Breakup by Raw Material (in Million US\$), 2024-2032

Table 5: Global: Flat Glass Market Forecast: Breakup by End-Use (in Million US\$), 2024-2032

Table 6: Global: Flat Glass Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 7: Global: Flat Glass Market Forecast: Breakup by End Use Industry (in Million US\$), 2024-2032

Table 8: Global: Flat Glass Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 9: Global: Flat Glass Market Structure

Table 10: Global: Flat Glass Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Flat Glass Market: Major Drivers and Challenges
- Figure 2: Global: Flat Glass Market: Sales Value (in Billion US\$), 2018-2023
- Figure 3: Global: Flat Glass Market: Breakup by Technology (in %), 2023
- Figure 4: Global: Flat Glass Market: Breakup by Product Type (in %), 2023
- Figure 5: Global: Flat Glass Market: Breakup by Raw Material (in %), 2023
- Figure 6: Global: Flat Glass Market: Breakup by End-Use (in %), 2023
- Figure 7: Global: Flat Glass Market: Breakup by Type (in %), 2023
- Figure 8: Global: Flat Glass Market: Breakup by End Use Industry (in %), 2023
- Figure 9: Global: Flat Glass Market: Breakup by Region (in %), 2023
- Figure 10: Global: Flat Glass Market Forecast: Sales Value (in Billion US\$), 2024-2032
- Figure 11: Global: Flat Glass Industry: SWOT Analysis
- Figure 12: Global: Flat Glass Industry: Value Chain Analysis
- Figure 13: Global: Flat Glass Industry: Porter's Five Forces Analysis
- Figure 14: Global: Flat Glass (Float) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 15: Global: Flat Glass (Float) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 16: Global: Flat Glass (Sheet) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 17: Global: Flat Glass (Sheet) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 18: Global: Flat Glass (Rolled) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 19: Global: Flat Glass (Rolled) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 20: Global: Flat Glass (Basic Float Glass) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 21: Global: Flat Glass (Basic Float Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 22: Global: Flat Glass (Toughened Glass) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 23: Global: Flat Glass (Toughened Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 24: Global: Flat Glass (Coated Glass) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 25: Global: Flat Glass (Coated Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Flat Glass (Laminated Glass) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Flat Glass (Laminated Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Flat Glass (Insulated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Flat Glass (Insulated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Flat Glass (Extra Clear Glass) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Flat Glass (Extra Clear Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Global: Flat Glass (Other Product Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Global: Flat Glass (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Global: Flat Glass (Sand) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Global: Flat Glass (Sand) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Global: Flat Glass (Soda Ash) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Global: Flat Glass (Soda Ash) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Global: Flat Glass (Recycled) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Global: Flat Glass (Recycled) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: Global: Flat Glass (Dolomite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: Global: Flat Glass (Dolomite) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Global: Flat Glass (Limestone) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Global: Flat Glass (Limestone) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Global: Flat Glass (Other Raw Materials) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Global: Flat Glass (Other Raw Materials) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Global: Flat Glass (Safety and Security) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Global: Flat Glass (Safety and Security) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Global: Flat Glass (Solar Control) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Global: Flat Glass (Solar Control) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Global: Flat Glass (Other End-Uses) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Global: Flat Glass (Other End-Uses) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Global: Flat Glass (Fabricated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Global: Flat Glass (Fabricated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: Global: Flat Glass (Non-Fabricated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Global: Flat Glass (Non-Fabricated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Global: Flat Glass (Construction) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Global: Flat Glass (Construction) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Global: Flat Glass (Automotive) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Global: Flat Glass (Automotive) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Global: Flat Glass (Solar Energy) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Global: Flat Glass (Solar Energy) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Global: Flat Glass (Electronics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Global: Flat Glass (Electronics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Global: Flat Glass (Other End Use Industries) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Global: Flat Glass (Other End Use Industries) Market Forecast: Sales Value

(in Million US\$), 2024-2032

Figure 66: Asia Pacific: Flat Glass Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Asia Pacific: Flat Glass Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Europe: Flat Glass Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Europe: Flat Glass Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: North America: Flat Glass Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: North America: Flat Glass Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Middle East and Africa: Flat Glass Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Middle East and Africa: Flat Glass Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Latin America: Flat Glass Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Latin America: Flat Glass Market Forecast: Sales Value (in Million US\$), 2024-2032

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