

**Low-E Glass Market By Type (Single Low-E Glass, Double Low-E Glass, Triple Low-E Glass), By Coating Type (Soft Coating, Hard Coating), By End-User Industry (Building and Construction, Automotive, Aerospace, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032**

Market Report | 2024-03-01 | 620 pages | Allied Market Research

**AVAILABLE LICENSES:**

- Cloud Access License \$3213.00
- Business User License \$5157.00
- Enterprise License \$8640.00

**Report description:**

The global low-e glass market was valued at 11.9?billion in 2022 and is estimated to reach \$21.0 billion by 2032, exhibiting a CAGR of 5.9% from 2023 to 2032. Low-E glass, short for low emissivity glass, is a high-performance glazing material designed to control heat transfer through windows. It features a microscopically thin coating that reflects infrared light while allowing visible light to pass through. This coating minimizes heat loss in cold weather conditions and reduces heat gain in warm weather conditions, enhancing energy efficiency and maintaining a comfortable indoor environment. Low-E glass is widely used in sustainable building design to optimize insulation, decrease reliance on heating & cooling systems, and contribute to overall energy conservation in structures.?

The rise in global concern about climate change has led to a greater focus on reducing greenhouse gas emissions. Low-e glass helps in decreasing the reliance on artificial heating and cooling systems, which in turn lowers energy consumption and associated emissions. As countries strive to meet their climate goals, the demand for energy-efficient solutions such as low-e glass is expected to rise.????

Furthermore, the application of low-e glass is not limited to the construction sector as it has also gained popularity in the automotive industry. As electric vehicles become more prevalent, there is a heightened focus on enhancing energy efficiency in vehicle design. Low-e glass helps in maintaining comfortable temperatures inside vehicles without overreliance on air conditioning or heating, contributing to the overall energy efficiency of electric vehicles.?

While the initial cost of low-e glass is higher than traditional glazing options, the long-term cost savings associated with reduced energy consumption make it an attractive investment. Businesses and homeowners recognize the value of lower utility bills and operational costs over the life cycle of the building, driving the adoption of low-e glass.?

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

However, the production of low-E glass involves the use of various materials and coatings, some of which have environmental implications. For instance, certain manufacturing processes produce greenhouse gas emissions or generate waste that pose disposal challenges. This environmental aspect is a restraint, particularly in regions where environmental regulations are stringent or where consumers prioritize eco-friendly products. Manufacturers in the low-E glass market need to address these concerns by adopting more sustainable production practices.?

On the contrary, the low-E glass market has witnessed increased demand in developing economies undergoing rapid urbanization. As these regions focus on constructing energy-efficient and sustainable buildings, the demand for low-E glass is expected to increase. The market has the opportunity to establish a strong presence in emerging markets by collaborating with local stakeholders and providing cost-effective solutions tailored to regional needs.?

The low-e glass market is segmented on the basis of type, coating type, end-user industry, and region. On the basis of type, the market is categorized into single low-e glass, double low-e glass, and triple low-e glass. By coating type, the market is classified into soft coating and hard coating. By end-user industry, the market is divided into building & construction, automotive, aerospace, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.?

The global low-e glass market profiles leading players that include CENTRAL GLASS CO., LTD., Taiwan Glass Ind. Corp., TAIWAN GLASS IND. CORP., Beijing Northglass Technologies Co. Ltd, Nippon Sheet Glass Co., Ltd, Arcon Flachglas-Veredlung GmbH & Co. KG, Guardian Glass, Asahi Glass, Saint Gobain, and AGC Inc.?

Other key players involved in the manufacturing of low-e glass includes Beijing North Tech Group Ltd, Shenzhen Sun Global Glass, Qingdao Migo Glass Co., Ltd., Metro Performance Glass, Qingdao Tsing Glass Co. Limited, ROMAG., SCHOTT Inc., and others.?

The global low-e glass market report provides an in-depth competitive analysis as well as profiles of these major players.?

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the low-e glass market analysis from 2022 to 2032 to identify the prevailing low-e glass market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the low-e glass market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global low-e glass market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

- Quarterly Update and\* (only available with a corporate license, on listed price)
- 5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.
- Free Upcoming Version on the Purchase of Five and Enterprise User License.
- 16 analyst hours of support\* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)
- 15% Free Customization\* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)
- Free data Pack on the Five and Enterprise User License. (Excel version of the report)
- Free Updated report if the report is 6-12 months old or older.
- 24-hour priority response\*
- Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

- Manufacturing Capacity

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- Investment Opportunities
- New Product Development/ Product Matrix of Key Players
- Patient/epidemiology data at country, region, global level
- Regulatory Guidelines
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Average Selling Price Analysis / Price Point Analysis
- Expanded list for Company Profiles
- Historic market data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- SWOT Analysis
- Volume Market Size and Forecast

#### Key Market Segments

##### By Type

- Single Low-E Glass
- Double Low-E Glass
- Triple Low-E Glass

##### By Coating Type

- Soft Coating
- Hard Coating

##### By End-User Industry

- Building and Construction
- Automotive
- Aerospace
- Others

##### By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- CENTRAL GLASS CO., LTD.
- Taiwan Glass Ind. Corp.
- TAIWAN GLASS IND. CORP.
- Beijing Northglass Technologies Co. Ltd
- Nippon Sheet Glass Co., Ltd
- Arcon Flachglas-Veredlung GmbH & Co. KG
- Guardian Glass
- Asahi Glass
- Saint Gobain
- AGC Inc.

## **Table of Contents:**

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research methodology
- 1.4.1. Primary research
- 1.4.2. Secondary research
- 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
- 3.2.1. Top impacting factors
- 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
- 3.4. Market dynamics
- 3.4.1. Drivers
- 3.4.2. Restraints
- 3.4.3. Opportunities
- 3.5. Value Chain Analysis
- 3.6. Pricing Analysis
- 3.7. Key Regulation Analysis
- 3.8. Patent Landscape

### CHAPTER 4: LOW-E GLASS MARKET, BY TYPE

- 4.1. Overview
- 4.1.1. Market size and forecast
- 4.2. Single Low-E Glass
- 4.2.1. Key market trends, growth factors and opportunities
- 4.2.2. Market size and forecast, by region
- 4.2.3. Market share analysis by country

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

#### 4.3. Double Low-E Glass

##### 4.3.1. Key market trends, growth factors and opportunities

##### 4.3.2. Market size and forecast, by region

##### 4.3.3. Market share analysis by country

#### 4.4. Triple Low-E Glass

##### 4.4.1. Key market trends, growth factors and opportunities

##### 4.4.2. Market size and forecast, by region

##### 4.4.3. Market share analysis by country

### CHAPTER 5: LOW-E GLASS MARKET, BY COATING TYPE

#### 5.1. Overview

##### 5.1.1. Market size and forecast

#### 5.2. Soft Coating

##### 5.2.1. Key market trends, growth factors and opportunities

##### 5.2.2. Market size and forecast, by region

##### 5.2.3. Market share analysis by country

#### 5.3. Hard Coating

##### 5.3.1. Key market trends, growth factors and opportunities

##### 5.3.2. Market size and forecast, by region

##### 5.3.3. Market share analysis by country

### CHAPTER 6: LOW-E GLASS MARKET, BY END-USER INDUSTRY

#### 6.1. Overview

##### 6.1.1. Market size and forecast

#### 6.2. Building and Construction

##### 6.2.1. Key market trends, growth factors and opportunities

##### 6.2.2. Market size and forecast, by region

##### 6.2.3. Market share analysis by country

#### 6.3. Automotive

##### 6.3.1. Key market trends, growth factors and opportunities

##### 6.3.2. Market size and forecast, by region

##### 6.3.3. Market share analysis by country

#### 6.4. Aerospace

##### 6.4.1. Key market trends, growth factors and opportunities

##### 6.4.2. Market size and forecast, by region

##### 6.4.3. Market share analysis by country

#### 6.5. Others

##### 6.5.1. Key market trends, growth factors and opportunities

##### 6.5.2. Market size and forecast, by region

##### 6.5.3. Market share analysis by country

### CHAPTER 7: LOW-E GLASS MARKET, BY REGION

#### 7.1. Overview

##### 7.1.1. Market size and forecast By Region

#### 7.2. North America

##### 7.2.1. Key market trends, growth factors and opportunities

##### 7.2.2. Market size and forecast, by Type

##### 7.2.3. Market size and forecast, by Coating Type

##### 7.2.4. Market size and forecast, by End-User Industry

##### 7.2.5. Market size and forecast, by country

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 7.2.5.1. U.S.
  - 7.2.5.1.1. Market size and forecast, by Type
  - 7.2.5.1.2. Market size and forecast, by Coating Type
  - 7.2.5.1.3. Market size and forecast, by End-User Industry
- 7.2.5.2. Canada
  - 7.2.5.2.1. Market size and forecast, by Type
  - 7.2.5.2.2. Market size and forecast, by Coating Type
  - 7.2.5.2.3. Market size and forecast, by End-User Industry
- 7.2.5.3. Mexico
  - 7.2.5.3.1. Market size and forecast, by Type
  - 7.2.5.3.2. Market size and forecast, by Coating Type
  - 7.2.5.3.3. Market size and forecast, by End-User Industry
- 7.3. Europe
  - 7.3.1. Key market trends, growth factors and opportunities
  - 7.3.2. Market size and forecast, by Type
  - 7.3.3. Market size and forecast, by Coating Type
  - 7.3.4. Market size and forecast, by End-User Industry
  - 7.3.5. Market size and forecast, by country
    - 7.3.5.1. Germany
      - 7.3.5.1.1. Market size and forecast, by Type
      - 7.3.5.1.2. Market size and forecast, by Coating Type
      - 7.3.5.1.3. Market size and forecast, by End-User Industry
    - 7.3.5.2. UK
      - 7.3.5.2.1. Market size and forecast, by Type
      - 7.3.5.2.2. Market size and forecast, by Coating Type
      - 7.3.5.2.3. Market size and forecast, by End-User Industry
    - 7.3.5.3. France
      - 7.3.5.3.1. Market size and forecast, by Type
      - 7.3.5.3.2. Market size and forecast, by Coating Type
      - 7.3.5.3.3. Market size and forecast, by End-User Industry
    - 7.3.5.4. Spain
      - 7.3.5.4.1. Market size and forecast, by Type
      - 7.3.5.4.2. Market size and forecast, by Coating Type
      - 7.3.5.4.3. Market size and forecast, by End-User Industry
    - 7.3.5.5. Italy
      - 7.3.5.5.1. Market size and forecast, by Type
      - 7.3.5.5.2. Market size and forecast, by Coating Type
      - 7.3.5.5.3. Market size and forecast, by End-User Industry
    - 7.3.5.6. Rest of Europe
      - 7.3.5.6.1. Market size and forecast, by Type
      - 7.3.5.6.2. Market size and forecast, by Coating Type
      - 7.3.5.6.3. Market size and forecast, by End-User Industry
- 7.4. Asia-Pacific
  - 7.4.1. Key market trends, growth factors and opportunities
  - 7.4.2. Market size and forecast, by Type
  - 7.4.3. Market size and forecast, by Coating Type
  - 7.4.4. Market size and forecast, by End-User Industry

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 7.4.5. Market size and forecast, by country
  - 7.4.5.1. China
    - 7.4.5.1.1. Market size and forecast, by Type
    - 7.4.5.1.2. Market size and forecast, by Coating Type
    - 7.4.5.1.3. Market size and forecast, by End-User Industry
  - 7.4.5.2. India
    - 7.4.5.2.1. Market size and forecast, by Type
    - 7.4.5.2.2. Market size and forecast, by Coating Type
    - 7.4.5.2.3. Market size and forecast, by End-User Industry
  - 7.4.5.3. Japan
    - 7.4.5.3.1. Market size and forecast, by Type
    - 7.4.5.3.2. Market size and forecast, by Coating Type
    - 7.4.5.3.3. Market size and forecast, by End-User Industry
  - 7.4.5.4. South Korea
    - 7.4.5.4.1. Market size and forecast, by Type
    - 7.4.5.4.2. Market size and forecast, by Coating Type
    - 7.4.5.4.3. Market size and forecast, by End-User Industry
  - 7.4.5.5. Australia
    - 7.4.5.5.1. Market size and forecast, by Type
    - 7.4.5.5.2. Market size and forecast, by Coating Type
    - 7.4.5.5.3. Market size and forecast, by End-User Industry
  - 7.4.5.6. Rest of Asia-Pacific
    - 7.4.5.6.1. Market size and forecast, by Type
    - 7.4.5.6.2. Market size and forecast, by Coating Type
    - 7.4.5.6.3. Market size and forecast, by End-User Industry
- 7.5. LAMEA
  - 7.5.1. Key market trends, growth factors and opportunities
  - 7.5.2. Market size and forecast, by Type
  - 7.5.3. Market size and forecast, by Coating Type
  - 7.5.4. Market size and forecast, by End-User Industry
  - 7.5.5. Market size and forecast, by country
    - 7.5.5.1. Brazil
      - 7.5.5.1.1. Market size and forecast, by Type
      - 7.5.5.1.2. Market size and forecast, by Coating Type
      - 7.5.5.1.3. Market size and forecast, by End-User Industry
    - 7.5.5.2. Saudi Arabia
      - 7.5.5.2.1. Market size and forecast, by Type
      - 7.5.5.2.2. Market size and forecast, by Coating Type
      - 7.5.5.2.3. Market size and forecast, by End-User Industry
    - 7.5.5.3. South Africa
      - 7.5.5.3.1. Market size and forecast, by Type
      - 7.5.5.3.2. Market size and forecast, by Coating Type
      - 7.5.5.3.3. Market size and forecast, by End-User Industry
    - 7.5.5.4. Rest of LAMEA
      - 7.5.5.4.1. Market size and forecast, by Type
      - 7.5.5.4.2. Market size and forecast, by Coating Type
      - 7.5.5.4.3. Market size and forecast, by End-User Industry

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## CHAPTER 8: COMPETITIVE LANDSCAPE

- 8.1. Introduction
- 8.2. Top winning strategies
- 8.3. Product mapping of top 10 player
- 8.4. Competitive dashboard
- 8.5. Competitive heatmap
- 8.6. Top player positioning, 2022

## CHAPTER 9: COMPANY PROFILES

### 9.1. CENTRAL GLASS CO., LTD.

- 9.1.1. Company overview
- 9.1.2. Key executives
- 9.1.3. Company snapshot
- 9.1.4. Operating business segments
- 9.1.5. Product portfolio
- 9.1.6. Business performance
- 9.1.7. Key strategic moves and developments

### 9.2. Taiwan Glass Ind. Corp.

- 9.2.1. Company overview
- 9.2.2. Key executives
- 9.2.3. Company snapshot
- 9.2.4. Operating business segments
- 9.2.5. Product portfolio
- 9.2.6. Business performance
- 9.2.7. Key strategic moves and developments

### 9.3. TAIWAN GLASS IND. CORP.

- 9.3.1. Company overview
- 9.3.2. Key executives
- 9.3.3. Company snapshot
- 9.3.4. Operating business segments
- 9.3.5. Product portfolio
- 9.3.6. Business performance
- 9.3.7. Key strategic moves and developments

### 9.4. Beijing Northglass Technologies Co. Ltd

- 9.4.1. Company overview
- 9.4.2. Key executives
- 9.4.3. Company snapshot
- 9.4.4. Operating business segments
- 9.4.5. Product portfolio
- 9.4.6. Business performance
- 9.4.7. Key strategic moves and developments

### 9.5. Nippon Sheet Glass Co., Ltd

- 9.5.1. Company overview
- 9.5.2. Key executives
- 9.5.3. Company snapshot
- 9.5.4. Operating business segments
- 9.5.5. Product portfolio
- 9.5.6. Business performance

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)



- 9.5.7. Key strategic moves and developments
- 9.6. Arcon Flachglas-Veredlung GmbH & Co. KG
  - 9.6.1. Company overview
  - 9.6.2. Key executives
  - 9.6.3. Company snapshot
  - 9.6.4. Operating business segments
  - 9.6.5. Product portfolio
  - 9.6.6. Business performance
  - 9.6.7. Key strategic moves and developments
- 9.7. Guardian Glass
  - 9.7.1. Company overview
  - 9.7.2. Key executives
  - 9.7.3. Company snapshot
  - 9.7.4. Operating business segments
  - 9.7.5. Product portfolio
  - 9.7.6. Business performance
  - 9.7.7. Key strategic moves and developments
- 9.8. Asahi Glass
  - 9.8.1. Company overview
  - 9.8.2. Key executives
  - 9.8.3. Company snapshot
  - 9.8.4. Operating business segments
  - 9.8.5. Product portfolio
  - 9.8.6. Business performance
  - 9.8.7. Key strategic moves and developments
- 9.9. Saint Gobain
  - 9.9.1. Company overview
  - 9.9.2. Key executives
  - 9.9.3. Company snapshot
  - 9.9.4. Operating business segments
  - 9.9.5. Product portfolio
  - 9.9.6. Business performance
  - 9.9.7. Key strategic moves and developments
- 9.10. AGC Inc.
  - 9.10.1. Company overview
  - 9.10.2. Key executives
  - 9.10.3. Company snapshot
  - 9.10.4. Operating business segments
  - 9.10.5. Product portfolio
  - 9.10.6. Business performance
  - 9.10.7. Key strategic moves and developments

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**Low-E Glass Market By Type (Single Low-E Glass, Double Low-E Glass, Triple Low-E Glass), By Coating Type (Soft Coating, Hard Coating), By End-User Industry (Building and Construction, Automotive, Aerospace, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032**

Market Report | 2024-03-01 | 620 pages | Allied Market Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

| Select license | License               | Price     |
|----------------|-----------------------|-----------|
|                | Cloud Access License  | \$3213.00 |
|                | Business User License | \$5157.00 |
|                | Enterprise License    | \$8640.00 |
|                |                       | VAT       |
|                |                       | Total     |

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

|               |                      |                               |                      |
|---------------|----------------------|-------------------------------|----------------------|
| Email*        | <input type="text"/> | Phone*                        | <input type="text"/> |
| First Name*   | <input type="text"/> | Last Name*                    | <input type="text"/> |
| Job title*    | <input type="text"/> |                               |                      |
| Company Name* | <input type="text"/> | EU Vat / Tax ID / NIP number* | <input type="text"/> |
| Address*      | <input type="text"/> | City*                         | <input type="text"/> |
| Zip Code*     | <input type="text"/> | Country*                      | <input type="text"/> |

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2025-05-09

Signature



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)