

# Global Hydrophobic Glass Coating Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Hydrophobic Glass Coating market size was valued at US\$ 1482 million in 2025 and is forecast to a readjusted size of US\$ 2099 million by 2032 with a CAGR of 5.1% during review period.

In 2025, global sales of hydrophobic glass coatings reached 450,000 tons, with an average selling price of US\$3,200 per ton. Hydrophobic glass coatings are protective films formed on glass surfaces through a special process, effectively enhancing the hydrophobicity, stain resistance, and durability of glass. They are widely used in architectural glass, automotive glass, solar photovoltaic glass, and electronic displays. This coating exhibits excellent performance in optical transparency, corrosion resistance, and high-temperature resistance, significantly improving the lifespan and ease of cleaning of glass products. Upstream raw materials mainly consist of silicon sources, fluorides, polymers, and solvents, with suppliers including chemical and coating manufacturers. Downstream customers include construction companies, automakers, photovoltaic companies, and home appliance manufacturers, with demand primarily focused on glass surface treatment and functional enhancement. Global total capacity is approximately 600,000 tons, with an industry gross margin of approximately 18%-25%.

In terms of downstream consumption, architectural and automotive glass account for approximately 40%, solar photovoltaic glass for approximately 25%, electronic product glass for approximately 20%, and other applications for 15%. Future market opportunities will primarily stem from the demand for smart glass in the construction industry, the increasing safety and comfort requirements in the automotive industry, and the expanding demand for high-efficiency, clean glass in the photovoltaic sector. With

continuous technological innovation, future market competition for this product will focus on improving the durability, functionality, and cost-effectiveness of the coating, while simultaneously meeting market requirements for environmental protection and sustainable development.

The market for hydrophobic glass coatings is showing a steady, structurally expanding growth trend, driven by three main areas: energy-efficient building upgrades, functional automotive glass, and improved cleaning efficiency of photovoltaic modules. On the demand side, global architectural glass is accelerating its transformation towards 'low-maintenance' and 'self-cleaning' properties, directly increasing the penetration rate of hydrophobic coatings in curtain wall glass and high-end residential glass.

Simultaneously, the automotive industry is placing higher demands on visibility in rainy conditions, advanced driver assistance systems (ADAS), and the visibility of autonomous driving sensors, driving up demand for high-durability hydrophobic films for windshields and camera protection glass. The photovoltaic sector benefits from the rigid demand for increased module power?hydrophobic coatings can significantly reduce dust adhesion, decrease cleaning frequency, and improve power generation efficiency, which is particularly crucial in desertified areas.

On the supply side, industry technological barriers are gradually rising, with intensified competition in fluorosilicone systems, sol-gel technology, and plasma deposition. Leading companies are building competitive advantages through formula differentiation, improved wear resistance, and sustainability (PFAS-free). With increasingly stringent regulations and rising environmental costs, the 'dual high requirements' on both technology and cost may accelerate industry consolidation. Overall, the future growth of hydrophobic glass coatings will mainly come from advanced photovoltaic coatings, automotive smart glass, and emerging consumer electronics and AR/VR panel protection needs. This field still has strong potential for technological upgrades and profit improvement.

This report is a detailed and comprehensive analysis for global Hydrophobic Glass Coating market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Hydrophobic Glass Coating market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Hydrophobic Glass Coating market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Hydrophobic Glass Coating market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Hydrophobic Glass Coating market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Hydrophobic Glass Coating

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Hydrophobic Glass Coating market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Aculon, Diamon-Fusion International, Nasiol, KISHO Corporation Co.,Ltd., Abrisa Technologies, Surfactis Technologies, NEI Corporation, PPG Industries, 3M, Advanced NanoTech Lab, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Hydrophobic Glass Coating market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Fluorocarbon Hydrophobic Coating

Siloxane Hydrophobic Coating

Nanostructure Hydrophobic Coating

Others

#### Market segment by Curing Method

Thermosetting

UV Curing

Room Temperature Curing

Others

#### Market segment by Water Contact Angle

Water Contact Angle: 100°-115°

Water Contact Angle: 115°-130°

Others

#### Market segment by Application

Automotive Glass

Architectural Glass

Others

#### Major players covered

Aculon

Diamon-Fusion International

Nasiol

KISHO Corporation Co.,Ltd.

Abrisa Technologies

Surfactis Technologies

NEI Corporation

PPG Industries

3M

Advanced NanoTech Lab

Vetro Sol

Sinograce Chemical

Nano-Care

KISHO Corporation Co.,Ltd

ThinTech Coating

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Hydrophobic Glass Coating product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hydrophobic Glass Coating, with price, sales quantity, revenue, and global market share of Hydrophobic Glass Coating from 2021 to 2026.

Chapter 3, the Hydrophobic Glass Coating competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hydrophobic Glass Coating breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Hydrophobic Glass Coating market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Hydrophobic Glass Coating.

Chapter 14 and 15, to describe Hydrophobic Glass Coating sales channel, distributors, customers, research findings and conclusion.

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