

# **Global Automotive Exterior Materials Market Size Study, by Product (Steel, Aluminum, Plastics, Glass Composites, Carbon Composites, Others), Application, and Regional Forecasts 2022-2032**

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## **Abstracts**

The global automotive exterior materials market, valued at approximately USD 14.19 billion in 2023, is forecasted to grow at a robust CAGR of 6.40% during the forecast period from 2024 to 2032. The growing demand for lightweight and durable materials in vehicle manufacturing has positioned exterior materials as a pivotal component of the automotive industry. These materials, ranging from traditional steel to advanced composites, enable manufacturers to meet regulatory requirements, enhance performance, and improve fuel efficiency, thereby aligning with industry trends.

The adoption of automotive exterior materials is fueled by stringent emission norms and a heightened focus on vehicle aesthetics and performance. Advanced materials such as aluminum and carbon composites are increasingly preferred due to their superior strength-to-weight ratios, promoting their integration into electric vehicles (EVs) and luxury cars. However, the market faces challenges such as fluctuating raw material prices and high production costs associated with composite materials, which may impact market dynamics in certain regions.

Continuous advancements in material technology, including the incorporation of smart and sustainable solutions, have redefined the automotive sector. Innovations such as 3D-printed composites and recyclable materials are gaining traction, reflecting the industry's pivot toward environmentally responsible practices. Furthermore, the integration of nanotechnology and surface treatments enhances durability, corrosion resistance, and overall material efficiency, fostering market expansion.

North America dominates the automotive exterior materials market, backed by a well-established automotive manufacturing sector and consistent demand for lightweight materials in high-performance vehicles. Europe follows closely, driven by stringent environmental regulations and a significant presence of luxury automakers. Meanwhile, the Asia Pacific region is anticipated to witness the fastest growth, underpinned by rapid urbanization, increasing automobile production, and favorable government initiatives promoting EV adoption.

Major market players included in this report are:

ArcelorMittal

Novelis Inc.

Toray Industries, Inc.

SGL Carbon SE

Thyssenkrupp AG

Owens Corning

Nippon Steel Corporation

Hexcel Corporation

BASF SE

SABIC

LyondellBasell Industries Holdings B.V.

Teijin Limited

Mitsubishi Chemical Corporation

Huntsman Corporation

Cytec Solvay Group

The detailed segments and sub-segments of the market are explained below:

By Product:

Steel

Aluminum

Plastics

Glass Composites

Carbon Composites

Others

By Application:

Passenger Vehicles

Commercial Vehicles

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Comprehensive market estimates and forecasts for a decade (2022-2032).

Detailed analysis of regional and country-level trends.

Insights into technological advancements and emerging market opportunities.

Profiles of leading companies with in-depth competitive analysis.

Strategic recommendations for stakeholders to capitalize on market growth opportunities.

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