

Global Ultraviolet Curable Resin Market Size Study, by Composition (Oligomers, Monomers, Photoinitiators, Additives), Chemistry (Non - Acrylated Oligoamines, Acrylate Oligomers), Application (Wood Coatings, Graphics Art, Industrial, Automotive, Others), Technology, and Regional Forecasts 2022-2032

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Abstracts

The Global Ultraviolet Curable Resin Market, valued at approximately USD 6.03 billion in 2023, is projected to expand at a robust CAGR of 7.50% during the forecast period 2024-2032, reaching an estimated market size of USD 11.56 billion by 2032. Ultraviolet (UV) curable resins are emerging as a pivotal innovation in the coatings and adhesives industry, driven by their exceptional performance characteristics, including rapid curing, environmental compliance, and superior mechanical properties. These resins are primarily utilized in diverse applications such as wood coatings, industrial components, and automotive finishes, offering a sustainable and efficient solution to meet evolving industry demands.

The surging adoption of UV curable resins can be attributed to advancements in composition technology, particularly acrylate oligomers and photoinitiators, which enable faster curing times and enhanced durability. Furthermore, the increasing preference for eco-friendly materials has propelled the shift towards UV curing technologies, as they produce negligible volatile organic compound (VOC) emissions. This trend aligns with stringent environmental regulations across regions, encouraging industries to invest in UV curable solutions for their sustainability benefits. In addition, the widespread use of UV-curable resins in graphic arts and wood coatings highlights their versatility and growing demand in decorative and functional applications.

Despite their numerous advantages, challenges such as high initial costs of UV curing systems and limited adoption in certain developing economies may pose barriers to market growth. However, the rapid innovation in UV curing technology, including the integration of advanced additive formulations and non-acrylated oligoamines, is poised to unlock new opportunities for market players. Moreover, the increasing penetration of UV curable resins in automotive and industrial applications underscores their critical role in addressing the need for high-performance coatings and adhesives in demanding environments.

Regionally, the Asia Pacific region is expected to dominate the market, driven by rapid industrialization, robust growth in manufacturing activities, and expanding applications in countries like China, India, and Japan. North America and Europe are also key contributors, with a strong focus on environmental sustainability and cutting-edge technological advancements. Meanwhile, the Middle East & Africa is anticipated to witness significant growth, supported by increasing investments in infrastructure and automotive sectors.

Major market players included in this report are:

Arkema S.A.

BASF SE

DIC Corporation

Royal DSM N.V.

Covestro AG

Nippon Paint Holdings Co., Ltd.

Dymax Corporation

The Sherwin-Williams Company

IGM Resins

Alberdingk Boley GmbH

Sartomer USA LLC

Allnex Belgium SA/NV

Eternal Materials Co., Ltd.

TOAGOSEI Co., Ltd.

Hitachi Chemical Co., Ltd.

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

By Composition:

Oligomers

Monomers

Photoinitiators

Additives

By Chemistry:

Non-Acrylated Oligoamines

Acrylate Oligomers

By Application:

Wood Coatings

Graphics Art

Industrial

Automotive

Others

By Technology:

LED UV Curing

Mercury UV Curing

By End-Use Industry:

Automotive

Electronics

Industrial Equipment

Packaging

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:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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