

Anti-reflective Coatings Market Report by Technology (Vacuum Deposition, Electronic Beam Evaporation, Sputtering, and Others), Layer Type (Single Layered, Multi Layered), Application (Eyewear, Electronics, Solar Panels, Automobile, and Others), and Region 2024-2032

<https://marketpublishers.com/r/A592F0F8224AEN.html>

Date: April 2024

Pages: 135

Price: US\$ 3,899.00 (Single User License)

ID: A592F0F8224AEN

Abstracts

The global anti-reflective coatings market size reached US\$ 5.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 8.2 Billion by 2032, exhibiting a growth rate (CAGR) of 5.4% during 2024-2032.

Anti-reflective coatings refer to the optical coatings that are formulated to minimize reflections from an optical surface. Along with controlling transmission and reflection of ultraviolet, visible, and near-infrared radiations, these dielectric coatings also contribute to the controlling of temperature and humidity. As a result of these coatings, vision clarity is improved and blue light and ultraviolet ray penetration is prevented. When applied to lenses, mirrors, or other optical surfaces, they reduce reflection, increase transmission, and enhance the throughput by controlling the reflexive index. Additionally, they improve visibility and contrast for complex imaging systems, such as telescopes and solar panels. Eyewear coated with anti-reflective materials provides a crisp view while being resistant to scratching, dust, and water. As a result, these materials find widespread applications in the semiconductor, automotive, construction, electronics, solar power, and aerospace industries.

Anti-reflective Coatings Market Trends:

The market is majorly driven by the escalating demand for anti-reflective coatings for manufacturing lenses and glasses. In addition to this, the rising adoption of high

transmitting anti-reflective glasses in the construction industry is providing an impetus to the market. Also, the rapid product utilization as a protective element on the screens of smartphones, televisions, laptops, and other electronic gadgets is a significant growth-inducing factor for the market. Moreover, the growing rates of solar panel installations due to increasing demand for renewable sources of energy are augmenting the product demand on the global level. The market is further driven by continual product innovations, such as the advent of oil repellent, self-cleaning and nano scale oxide coatings. Some of the other factors contributing to the market growth include the growing prevalence of vision impairment, rapid urbanization and industrialization, and extensive research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global anti-reflective coatings market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technology, layer type and application.

Breakup by Technology:

- Vacuum Deposition
- Electronic Beam Evaporation
- Sputtering
- Others

Breakup by Layer Type:

- Single Layered
- Multi Layered

Breakup by Application:

- Eyewear
- Electronics
- Solar Panels
- Automobile
- Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AGC Inc., Carl Zeiss AG, DuPont de Nemours Inc., Essilor International (EssilorLuxottica SA), Evaporated Coatings Inc., Honeywell International Inc., HOYA Corporation, iCoat Company LLC, Koninklijke DSM N.V., Quantum Coating Inc., Spectrum Direct Limited and Torr Scientific Ltd.

Key Questions Answered in This Report

1. What was the size of the global anti-reflective coatings market in 2023?
2. What is the expected growth rate of the global anti-reflective coatings market during 2024-2032?
3. What are the key factors driving the global anti-reflective coatings market?
4. What has been the impact of COVID-19 on the global anti-reflective coatings market?

5. What is the breakup of the global anti-reflective coatings market based on the technology?
6. What is the breakup of the global anti-reflective coatings market based on the layer type?
7. What is the breakup of the global anti-reflective coatings market based on application?
8. What are the key regions in the global anti-reflective coatings market?
9. Who are the key players/companies in the global anti-reflective coatings market?

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