

# Global Infrared Transparent 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 Infrared Transparent Coating market size was valued at US\$ 863 million in 2025 and is forecast to a readjusted size of US\$ 1454 million by 2032 with a CAGR of 7.7% during review period.

Infrared Transparent Coating is a specialized optical coating designed to allow infrared (IR) radiation—typically in the near-infrared (NIR), mid-wave infrared (MWIR), or long-wave infrared (LWIR) spectral ranges—to pass through with minimal absorption or reflection while providing protective, anti-reflective, or environmental resistance functions. These coatings are commonly applied on substrates such as germanium, silicon, zinc sulfide (ZnS), zinc selenide (ZnSe), sapphire, or IR-grade glass used in thermal imaging systems, infrared sensors, military optics, autonomous vehicle LiDAR windows, and aerospace surveillance equipment. The supply chain begins with upstream raw materials including infrared optical materials (germanium, ZnS, ZnSe, chalcogenide glass), high-purity coating precursors (metal oxides, fluorides, sulfides such as MgF<sub>2</sub>, YF<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, TiO<sub>2</sub>), and vacuum deposition materials supplied by specialty chemical and optical material producers. Midstream manufacturing involves thin-film coating technologies such as physical vapor deposition (PVD), electron-beam evaporation, sputtering, and atomic layer deposition (ALD), carried out by precision optics manufacturers and coating specialists who apply multilayer interference coatings optimized for specific IR wavelength bands. Downstream integration occurs in infrared optical assemblies and systems used in defense and security thermal cameras, industrial inspection equipment, autonomous vehicle sensors, satellite payloads, medical thermography devices, and environmental monitoring systems. In 2025, global Infrared Transparent Coating output was about 2,600 tons with 3,800 tons of capacity, average prices of USD 280,000 ? 420,000 per ton, and gross margins around 32%.

This report is a detailed and comprehensive analysis for global Infrared Transparent 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 Infrared Transparent Coating market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

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

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

Global Infrared Transparent Coating market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), 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 Infrared Transparent 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 Infrared Transparent 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 PPG Industries (USA), Sherwin-Williams (USA), AkzoNobel (Netherlands), Nippon Paint (Japan), Kansai Paint (Japan), Jotun (Norway), Hempel (Denmark), Sika (Switzerland), GAF Materials (USA), Henry Company (USA), etc.

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

## **Market Segmentation**

Infrared Transparent 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

Fluoride-based Coating

Oxide-based Coating

Chalcogenide Coating

Others

### Market segment by Deposition Technology

Physical Vapor Deposition

Electron Beam Evaporation

Magnetron Sputtering

Atomic Layer Deposition

Chemical Vapor Deposition

## Market segment by Application

Military

Aerospace

Automotive

Industrial

Others

## Major players covered

PPG Industries (USA)

Sherwin-Williams (USA)

AkzoNobel (Netherlands)

Nippon Paint (Japan)

Kansai Paint (Japan)

Jotun (Norway)

Hempel (Denmark)

Sika (Switzerland)

GAF Materials (USA)

Henry Company (USA)

Garland Company (USA)

Acrymax Technologies (USA)

Karnak Corporation (USA)

Lanco Paints & Coatings (USA)

RD Coatings (Belgium)

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 Infrared Transparent Coating product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Infrared Transparent 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 Infrared Transparent 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 Infrared Transparent Coating.

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

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