

Global Infrared Reflecting Black Pigments Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GEF18466BC10EN.html>

Date: January 2026

Pages: 96

Price: US\$ 3,480.00 (Single User License)

ID: GEF18466BC10EN

Abstracts

According to our (Global Info Research) latest study, the global Infrared Reflecting Black Pigments market size was valued at US\$ 83.39 million in 2025 and is forecast to a readjusted size of US\$ 118 million by 2032 with a CAGR of 5.5% during review period.

Infrared Reflecting Black Pigment (also called IR-reflective black pigment, sometimes NIR-reflective black pigment) refers to a black pigment engineered to reflect a significant portion of infrared light—especially near-infrared (NIR, ~700–2500 nm) while still appearing black in the visible spectrum. By reducing IR absorption, it helps lower heat build-up and surface temperature in coatings, plastics, and inks exposed to sunlight (often marketed as “cool black” pigments).

Upstream, the main raw materials for Infrared Reflecting Black Pigments are synthetic iron oxide (Fe₂O₃/FeO), chromium(III) oxide/chrome oxide green (Cr₂O₃), manganese sources (MnO/MnCO₃/manganese oxide), cobalt oxide (Co₂O₃/cobalt oxide), and copper(II) oxide (CuO), etc. Downstream, infrared-reflective black pigments are mainly used in architectural coatings, industrial coatings, and plastics.

In 2025, global sales of Infrared Reflecting Black Pigments reached approximately 6,741 tons, with an average global market price of around US\$ 12/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from approximately 30% to 40%.

Market Trends:

Competitive intensity is rising: Pigment manufacturers (inorganic MMO/CICP, specialty blacks) supporting coatings/plastics performance claims. Competition shifts from ?who makes the pigment? to ?who enables system performance? (sortability + shade + compliance + cost).

Increased corporate mergers and acquisitions: New entrants are relatively scarce, and that entry/scale-up more often happens through acquisition or consolidation rather than a brand-new company building an IR-reflective black (CICP/MMO) platform from scratch.

Durability / weathering becomes a mainstream differentiator: Roofing programs and codes increasingly rely on aged (weathered) performance. CRRC uses three-year weathering and aged testing to replace interim ratings. UV, moisture, pollutants, and abrasion can degrade optical performance over time?pushing demand toward more stable inorganic pigment systems and robust binders.

Market Drivers:

Market demand is constantly increasing: Cool roofs are promoted to reduce building cooling load and urban heat island impacts. The U.S. EPA notes cool roofs can reduce peak cooling demand in air-conditioned homes (reported range 11?27%). This phenomenon has directly driven the growth in demand for infrared reflecting black pigments.

Continuous technological advancement: A deep black appearance usually implies high absorption; ?cool black? requires higher NIR reflectance (or NIR transparency + reflective substrate). Standards often evaluate performance via Solar Reflectance Index (SRI) derived from solar reflectance and thermal emittance. Mixed metal oxide / spinel blacks (CICP/MMO) engineered for better NIR behavior and durability (high-temperature calcination routes, ceramic-like stability). More work on doped/engineered black pigments targeting higher NIR reflectance and additional sensing compatibility.

Policy support: Codes and programs increasingly specify radiative performance targets (solar reflectance / thermal emittance / SRI), which creates a structural pull for cool pigments that allow darker colors while meeting targets. Government guidance frames cool roofs as a UHI mitigation strategy with quantifiable cooling-demand impacts.

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

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

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

Global Infrared Reflecting Black Pigments market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 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 Reflecting Black Pigments

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 Reflecting Black Pigments 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 Shepherd Color, DIC, Lanxess, Sudarshan, Vibrantz Technologies, Toyo Seikan, OXERRA, Hunan Jufa Pigment,

Zhonglong Materials, etc.

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

Market Segmentation

Infrared Reflecting Black Pigments 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

Pigment Brown 29 (P.Br.29)

Pigment Black 33 (P.Bk.33)

Other

Market segment by Chemical Composition

Spinel-type Mixed Metal Oxides

Black Iron Oxide

Chromium?Iron Oxide

Other

Market segment by Delivery Form

Dry Powder Pigment

Pigment Dispersions

Other

Market segment by Application

Architectural Coatings

Industrial Coatings

Plastics

Other

Major players covered

Shepherd Color

DIC

Lanxess

Sudarshan

Vibrantz Technologies

Toyo Seikan

OXERRA

Hunan Jufa Pigment

Zhonglong Materials

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 Reflecting Black Pigments product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Infrared Reflecting Black Pigments 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 Reflecting Black Pigments 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

Reflecting Black Pigments.

Chapter 14 and 15, to describe Infrared Reflecting Black Pigments sales channel, distributors, customers, research findings and conclusion.

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