

Global Infrared Reflecting Black Pigments Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD7BF752555DEN.html>

Date: January 2026

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: GD7BF752555DEN

Abstracts

The global Infrared Reflecting Black Pigments market size is expected to reach \$ 118 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

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/Fe₃O₄), chromium(III) oxide/chrome oxide green (Cr₂O₃), manganese sources (MnO₂/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 studies the global Infrared Reflecting Black Pigments production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Infrared Reflecting Black Pigments and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Infrared Reflecting Black Pigments that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Infrared Reflecting Black Pigments total production and demand, 2021-2032, (Tons)

Global Infrared Reflecting Black Pigments total production value, 2021-2032, (USD Million)

Global Infrared Reflecting Black Pigments production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Infrared Reflecting Black Pigments consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Infrared Reflecting Black Pigments domestic production, consumption, key domestic manufacturers and share

Global Infrared Reflecting Black Pigments production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Infrared Reflecting Black Pigments production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Infrared Reflecting Black Pigments production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Infrared Reflecting Black Pigments market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Infrared Reflecting Black Pigments market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Infrared Reflecting Black Pigments Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Reflecting Black Pigments Market, Segmentation by Type:

Pigment Brown 29 (P.Br.29)

Pigment Black 33 (P.Bk.33)

Other

Global Infrared Reflecting Black Pigments Market, Segmentation by Chemical Composition:

Spinel-type Mixed Metal Oxides

Black Iron Oxide

Chromium?Iron Oxide

Other

Global Infrared Reflecting Black Pigments Market, Segmentation by Delivery Form:

Dry Powder Pigment

Pigment Dispersions

Other

Global Infrared Reflecting Black Pigments Market, Segmentation by Application:

Architectural Coatings

Industrial Coatings

Plastics

Other

Companies Profiled:

Shepherd Color

DIC

Lanxess

Sudarshan

Vibrantz Technologies

Toyo Seikan

OXERRA

Hunan Jufa Pigment

Zhonglong Materials

Key Questions Answered:

1. How big is the global Infrared Reflecting Black Pigments market?
2. What is the demand of the global Infrared Reflecting Black Pigments market?
3. What is the year over year growth of the global Infrared Reflecting Black Pigments market?
4. What is the production and production value of the global Infrared Reflecting Black Pigments market?
5. Who are the key producers in the global Infrared Reflecting Black Pigments market?
6. What are the growth factors driving the market demand?

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