

Global Self-Cooling Paint 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 Self-Cooling Paint market size was valued at US\$ 1295 million in 2025 and is forecast to a readjusted size of US\$ 2769 million by 2032 with a CAGR of 11.4% during review period.

Self-cooling paint is an advanced functional coating engineered to reduce surface temperature by reflecting solar radiation and/or emitting heat efficiently to the atmosphere, thereby lowering heat absorption without external energy input; it typically relies on high-solar-reflectance pigments (such as titanium dioxide or aluminum-based fillers), infrared-emissive ceramic or polymer additives, and optimized binder systems (acrylic, silicone, or fluoropolymer) to achieve passive cooling performance. The supply chain begins upstream with raw materials including specialty pigments, ceramic microspheres, polymers, solvents, and functional additives supplied by chemical and materials producers, followed by midstream formulation and compounding by coating manufacturers who tailor reflectivity, emissivity, durability, and application properties, and downstream distribution through construction materials suppliers, OEM channels, and project contractors to end-use sectors such as buildings, industrial facilities, transportation infrastructure, and energy-efficient roofing and facades. In 2025, the global self-cooling paint market produces about 240,000 tons annually against a global capacity of roughly 310,000 tons, with an average unit price of USD 4,200–7,500 per ton and a 37% gross margin.

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

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

Global Self-Cooling Paint 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 Self-Cooling Paint 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 Self-Cooling Paint
- 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 Self-Cooling Paint 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 Coolshield (Australia), Excel Coatings (India), Precision Coatings (USA), Tex-Cote (USA), Nippon Paint (Japan), Thermo-Shield (USA), StarShield (USA), Sika (Switzerland), GAF Materials (USA), PPG Industries (USA), etc.

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

Market Segmentation

Self-Cooling Paint 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

Solar Reflective Paint

Radiative Cooling Paint

Market segment by Carrier System

Water Based

Solvent Based

Market segment by Application

Residential Building

Commercial Building

Industrial Facility

Infrastructure

Others

Major players covered

Coolshield (Australia)

Excel Coatings (India)

Precision Coatings (USA)

Tex-Cote (USA)

Nippon Paint (Japan)

Thermo-Shield (USA)

StarShield (USA)

Sika (Switzerland)

GAF Materials (USA)

PPG Industries (USA)

AkzoNobel (Netherlands)

Kansai Paint (Japan)

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 Self-Cooling Paint product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Self-Cooling Paint, with price, sales quantity, revenue, and global market share of Self-Cooling Paint from 2021 to 2026.

Chapter 3, the Self-Cooling Paint competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape

contrast.

Chapter 4, the Self-Cooling Paint 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 Self-Cooling Paint 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 Self-Cooling Paint.

Chapter 14 and 15, to describe Self-Cooling Paint sales channel, distributors, customers, research findings and conclusion.

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