

Nanocoatings Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/N70DAE0C352EN.html>

Date: July 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: N70DAE0C352EN

Abstracts

Market Overview:

The global nanocoatings market size reached US\$ 11.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 33.6 Billion by 2028, exhibiting a growth rate (CAGR) of 19.4% during 2023-2028.

Nanocoating refers to very fine, thin layers of polymeric chemical substances that are used to impart specific chemical and physical characteristics to a substrate surface. This includes corrosion resistance, abrasion resistance, hardness, lubricity, transparency, and ductility. Nanocoatings are predominantly used to alter the hydrophobic and/or oleophobic properties of a surface by adding a protective coating on a substantially small scale of several microns. A nanocoating can be produced with utmost precision through a process which involves atomic building blocks, where atoms are deposited in a controlled fashion to produce a layer that conforms uniformly on every distinct feature of the surface. Catalysed by their superior physical and chemical properties the global demand of nano coatings is currently growing robustly in industries such as construction, food, healthcare, automotive, electronics, etc.

Global Nanocoatings Market Drivers:

Nanocoatings provide resistance to fluctuations in temperature, as a result, they are popular in products that are impacted by temperature changes and harsh climatic conditions such as aircrafts, ceramic tiles, glass windows, automobiles, etc. Nanocoatings provide a clear, colourless protection that cannot be detected by the

naked eye. This maintains a products aesthetic appearance and preserves the natural gloss and transparency of the product. Moreover, nano coated products do not easily accumulate dirt, however, on few occasions when foreign elements such as dust adhere to the surface, they can be easily cleaned.

Nanocoatings are able to provide protection against Ultra Violet (UV) light and resistance against abrasion. This significantly increases the life span of products and makes them ideal for the automotive industry to protect paint surfaces.

Nanocoatings also provide corrosion resistance, this increases the durability and lifespan of the metals where they are applied. For example, nano coatings are commonly applied on air craft parts as they are highly susceptible to corrosion.

Nanocoatings are anti-adhesive and more hygienic as compared to conventional coatings. They prevent the growth of bacteria and microorganisms. Automobiles with nano coatings do not require waxing to maintain their shine. Moreover, they are also environment friendly, non- toxic and breathable, enabling them to be efficiently used on a variety of products as they inhibit damp and mold.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global nanocoatings market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type and end-user.

Breakup by Product Type:

- Anti-Microbial
- Anti-Fingerprint
- Anti-Fouling
- Easy to Clean
- Self-Cleaning

Based on the product type, the market has been segmented into anti-microbial, anti-fingerprint, anti-fouling, easy to clean and self-cleaning.

Breakup by End-User:

- Construction
- Food Packaging
- Healthcare
- Electronics
- Automotive

Marine
Others

On the basis of end-user, the market has been segmented into construction, food packaging, healthcare, electronics, automotive, marine and others.

Breakup by Region:

North America
Europe
Asia Pacific
Middle East and Africa
Latin America

Region-wise, the market has been segmented into North America, Europe, Asia Pacific, Middle East and Africa, and Latin America.

Competitive Landscape:

The competitive landscape of the market has also been examined with some of the key players being BASF, Bio-Gate, Buhler, Nanogate, PPG Industries, AdMat Innovations, Cima NanoTech, CG2 NanoCoatings, Cleancorp, Ecological Coatings, Eikos, Inframat, Integran Technologies, Nanofilm, Nanomech, Nanovere Technologies, Nanophase Technologies, P2i, Surfix and Tesla NanoCoatings.

This report provides a deep insight into the global nanocoatings market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the nanocoatings industry in any manner.

Key Questions Answered in This Report:

How has the global nanocoatings market performed so far and how will it perform in the coming years?

What are the key regions in the global nanocoatings market?

What has been the impact of COVID-19 on the global nanocoatings market?

What are the major product types in the global nanocoatings market?

What are the key end-user segments in the global nanocoatings market?

What are the various stages in the value chain of the global nanocoatings industry?

What are the key driving factors and challenges in the global nanocoatings industry?

What is the structure of the global nanocoatings industry and who are the key players?

What is the degree of competition in the global nanocoatings industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL NANOCOATINGS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Product Type
- 5.5 Market Breakup by End-User
- 5.6 Market Breakup by Region
- 5.7 Market Forecast
- 5.8 SWOT Analysis
 - 5.8.1 Overview
 - 5.8.2 Strengths
 - 5.8.3 Weaknesses
 - 5.8.4 Opportunities
 - 5.8.5 Threats
- 5.9 Value Chain Analysis

5.10 Porters Five Forces Analysis

5.10.1 Overview

5.10.2 Bargaining Power of Buyers

5.10.3 Bargaining Power of Suppliers

5.10.4 Degree of Competition

5.10.5 Threat of New Entrants

5.10.6 Threat of Substitutes

5.11 Price Analysis

5.11.1 Key Price Indicators

5.11.2 Price Structure

6 MARKET BREAKUP BY PRODUCT TYPE

6.1 Anti-Microbial

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Anti-Fingerprint

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Anti-Fouling

6.3.1 Market Trends

6.3.2 Market Forecast

6.4 Easy to Clean

6.4.1 Market Trends

6.4.2 Market Forecast

6.5 Self-Cleaning

6.5.1 Market Trends

6.5.2 Market Forecast

7 MARKET BREAKUP BY END-USER

7.1 Construction

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Food Packaging

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Healthcare

7.3.1 Market Trends

- 7.3.2 Market Forecast
- 7.4 Electronics
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Automotive
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Marine
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Others
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Europe
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Asia Pacific
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Middle East and Africa
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Latin America
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MANUFACTURING PROCESS

- 9.1 Product Overview
- 9.2 Raw Material Requirements
- 9.3 Manufacturing Process
- 9.4 Key Success and Risk Factors

10 COMPETITIVE LANDSCAPE

10.1 Market Structure

10.2 Key Players

10.3 Profiles of Key Players

10.3.1 BASF

10.3.2 Bio-Gate

10.3.3 Buhler

10.3.4 Nanogate

10.3.5 PPG Industries

10.3.6 AdMat Innovations

10.3.7 Cima NanoTech

10.3.8 CG2 NanoCoatings

10.3.9 Cleancorp

10.3.10 Ecological Coatings

10.3.11 Eikos

10.3.12 Inframat

10.3.13 Integran Technologies

10.3.14 Nanofilm

10.3.15 Nanomech

10.3.16 Nanovere Technologies

10.3.17 Nanophase Technologies

10.3.18 P2i

10.3.19 Surfix

10.3.20 Tesla NanoCoatings

List Of Tables

LIST OF TABLES

Table 1: Global: Nanocoatings Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Nanocoatings Market Forecast: Breakup by Product Type (in Million US\$), 2023-2028

Table 3: Global: Nanocoatings Market Forecast: Breakup by End-User (in Million US\$), 2023-2028

Table 4: Global: Nanocoatings Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Nanocoatings Manufacturing: Raw Material Requirements

Table 6: Global: Nanocoatings Market: Competitive Structure

Table 7: Global: Nanocoatings Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Nanocoatings Market: Major Drivers and Challenges

Figure 2: Global: Nanocoatings Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Nanocoatings Market: Breakup by Product Type (in %), 2022

Figure 4: Global: Nanocoatings Market: Breakup by End-User (in %), 2022

Figure 5: Global: Nanocoatings Market: Breakup by Region (in %), 2022

Figure 6: Global: Nanocoatings Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 7: Nanocoatings Market: Price Structure

Figure 8: Global: Nanocoatings Industry: SWOT Analysis

Figure 9: Global: Nanocoatings Industry: Value Chain Analysis

Figure 10: Global: Nanocoatings Industry: Porter's Five Forces Analysis

Figure 11: Global: Nanocoatings (Anti-Microbial) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Nanocoatings (Anti-Microbial) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Nanocoatings (Anti-Fingerprint) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Nanocoatings (Anti-Fingerprint) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Nanocoatings (Anti-Fouling) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Nanocoatings (Anti-Fouling) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Nanocoatings (Easy to Clean) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Nanocoatings (Easy to Clean) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Nanocoatings (Self-Cleaning) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Nanocoatings (Self-Cleaning) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Nanocoatings (Construction) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Nanocoatings (Construction) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Nanocoatings (Food Packaging) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Nanocoatings (Food Packaging) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Nanocoatings (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Nanocoatings (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Nanocoatings (Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Nanocoatings (Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Nanocoatings (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Nanocoatings (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Nanocoatings (Marine) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Nanocoatings (Marine) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Nanocoatings (Other End-Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Nanocoatings (Other End-Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: North America: Nanocoatings Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: North America: Nanocoatings Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Europe: Nanocoatings Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Europe: Nanocoatings Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Asia Pacific: Nanocoatings Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Asia Pacific: Nanocoatings Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Middle East and Africa: Nanocoatings Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Middle East and Africa: Nanocoatings Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Latin America: Nanocoatings Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Latin America: Nanocoatings Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Nanocoatings Manufacturing: Detailed Process Flow

I would like to order

Product name: Nanocoatings Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/N70DAE0C352EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N70DAE0C352EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

