

# Global Ceramic Coatings Market Research and Forecast 2018-2023

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## Abstracts

Ceramic Coatings are referred to inorganic, non-metallic, and inert thin films that are made through deposition process, followed by heating and subsequent cooling method. Ceramic Coatings are primarily made from the deposition of silica, alumina-magnesia, alumina, silicon nitride, and silicon carbide, among other solutions. It provides a strong long-lasting protection from abrasion, corrosion, and scratches as compared to conventional wax products. It generates a thick hydrophobic film on the component surface that provides solid molecular barrier resistant to chemicals, UV exposure, and high temperatures. Ceramic coatings have ample uses in automobile sector, which includes coating on cars and trucks.

Increasing adoption of high-performance ceramic coatings in automotive industry is one of the major factors propelling the growth of the global ceramic coating market. The increasing demand for ceramic coated products in healthcare sector and rising adoption of ceramic coatings in solar energy and wind turbine technology is significantly contributing in the growth of the market across the globe. Moreover, the increasing environmental regulations regarding vehicle emission is fueling the demand for ceramic coatings in the market. The high cost of high-performance ceramic coating and huge capital requirement for development and manufacture are some of the factors hampering the growth of the global ceramic coating market. However, the increasing demand for plasma spray ceramic coatings in electronics industry and rising interest in nanotechnology ceramic coating is expected to fuel the market growth in the near future.

The ceramic coating market can be segmented on the basis of technology, coating type, and end users. Based on technology, the market is bifurcated into chemical vapor deposition (CVD), physical vapor deposition (PVD), electrophoretic deposition (EPD),

and thermal spray. The thermal spray segment can be further segmented into vacuum plasma spraying (VPS), atmospheric plasma spraying (APS), electric arc spraying process (Arc process), wire flame spraying, and others (high velocity oxy-fuel spraying process (HVOF)). Based on coating type, the market can be bifurcated into oxide coating, carbide coating, nitride coating, others (carbon coating and anti-microbial coating). Based on end users, the market can be segmented into healthcare, industrial goods, steel industry, chemical industry, aerospace & defense, automobile & transportation, others (oil & gas and textile industry). Among technology, the thermal spray segment holds the largest market share in the global ceramic coating market. This can be attributed to its high density and its capability of providing ceramic coating barely on every material.

The global ceramic coating market is further analyzed on the basis of the geographical regions that are contributing significantly in the growth of the market. Asia Pacific holds a dominant position in the global ceramic coating market, followed by North America. This is mainly owing to the rapid industrialization in the emerging economies, especially in China and India. The growing automotive and aerospace industry in the region is primarily involved in the development of innovative technologies. Rest of the world, which includes Latin America, the Middle East, and others is projected to exhibit the fastest growth in the global ceramic coating market over the forecast period. Recent technological advancements made in the automotive sector and rising vehicle production companies in Latin America are some of the major factors contributing in the growth of the ceramic coating market in the rest of the world.

Some of the key players operating in the global ceramic coating market are APS Materials Inc., Bodycote, Praxair S.T. Technology, Inc., DuPont, Saint-Gobain, Aremco, MBI Coatings, Akzo Nobel N.V., 3M, BASF SE, and Ultramet among others. In order to sustain in the competitive market, these players adopt various strategies such as acquisitions, mergers, expansions, joint ventures and product development and so on. For instance, in June 2018, Panoz, LLC, a US-based sports automobile manufacturer, announced a partnership with Feynlab LLC. The automobile manufacturer will use Feynlab's self-heal plus paint coatings on its all vehicles.

## **RESEARCH METHODOLOGY**

The market study of ceramic coating market is incorporated by extensive primary and secondary research conducted by research team at OMR. Secondary research has been conducted to refine the available data to breakdown the market in various segments, derive total market size, market forecast and growth rate. Different

approaches have been worked on to derive the market value and market growth rate. Our team collects facts and data related to the market from different geography to provide a better regional outlook. In the report country level analysis is provided by analyzing various regional players, regional tax laws and policies, consumer behavior and macro-economic factors. Numbers extracted from Secondary research have been authenticated by conducting proper primary research. It includes tracking down key people from the industry and interviewing them to validate the data. This enables our analyst to derive the closest possible figures without any major deviations in the actual number. Our analysts try to contact as many executives, managers, key opinion leaders and industry experts. Primary research brings the authenticity in our reports.

Secondary sources include:

Financial reports of companies involved in the market

Authentic Public Databases such as The Powder Coating Institute, National Aeronautics and Space Administration (NASA), and Society of Manufacturing Engineers, among others

Whitepapers, research-papers, and news blogs

Company websites and their product catalogue

Supplier Websites such as Alibaba, amazon for pricing analysis

The report is intended for traders and distributors of ceramic coatings, raw material suppliers, government & regulatory bodies, and end-use industries for overall market analysis and competitive analysis. The report provides in-depth analysis on pricing, market size, intended quality of the product preferred by consumers, initial norms and vehicle segment. The report will serve as a source for 360-degree analysis of the market thoroughly integrating different models such as PEST analysis, Porter five analysis delivering insights into the market for better business decisions.

## **MARKET SEGMENTATION:**

Global ceramic coating market is segmented on the basis of regional outlook and following segments:

Global Ceramic Coating Market Research and Analysis, By Technology

Global Ceramic Coating Market Research and Analysis, By Coating Type

Global Ceramic Coating Market Research and Analysis, By End Users

Global Ceramic Coating Market Research and Analysis, By Region

## **THE REPORT COVERS:**

Comprehensive research methodology of global ceramic coating market

This report also includes detailed and extensive market overview with key analyst insights

Exhaustive analysis of macro and micro factors influencing the market guided by key recommendations

Analysis of regional regulations and other government policies impacting the global ceramic coating market

Insights about market determinants which are stimulating the global ceramic coating market

Detailed and extensive market segments with regional distribution of forecasted revenues

Extensive profiles and recent developments of market players

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2. A&A THERMAL SPRAY COATINGS
3. AKZO NOBEL N.V.
4. AMERICAN POWDER COATINGS, INC.
5. ANDERSON PAINTING CO., INC.
6. APS MATERIALS, INC.
7. AREMCO
8. BASF SE
9. BELL'S POWDER COATING
10. BISCO INDIA
11. BODYCOTE
12. CAMCOAT PERFORMANCE COATINGS

13. CAMUI
14. CERAMIC POLYMER GMBH
15. CERAMIC PRO
16. DUPONT
17. ELEMENT 119
18. FEYNLAB LLC
19. FOSBEL
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24. KECO COATINGS
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